CURRICULUM VITAE

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**Availability:** Immediate

**Job Type:** Contract only – UK only

**Others:** Full driver’s license

Professional Indemnity Insurance (£2,000,000)

Personal profile

* MSc Computer degree, with 25+ years of working experience
* Extensive experience in all stages of analysis, development and implementation of transactional and analytical (BI / DWH / MDM) applications, using both Waterfall and Agile methodologies
* Experienced manager / team leader, working well under pressure and with ability to direct work at both micro and macro levels
* Ability to train, coach and pass on experience to others
* Excellent client-facing and stakeholder management skills
* In-depth software Quality Assurance & Quality Process experience
* Full Datawarehouse / Master Reference Data / BI Solutions lifecycle experience
* Multiple certifications – Oracle, Microsoft, UNIX/Linux, TOGAF, ITIL, Machine Learning / AI, etc
* Experience in various sectors/industries – Aerospace, Automotive, Broadcasting, Chemicals, Direct Marketing, Insurance, Healthcare, Oil/Gas/Energy, Pharmaceutical, Publishing, Retail, Telecom, Transport

Employment History

|  |  |  |
| --- | --- | --- |
| 2005 – current | **Contractor, main roles**:  Solutions Architect / Technical Lead / DWH Architect / BI Solutions Designer / Project Manager / Senior ETL Designer / Senior DB Developer / Senior DBA | GAMACONS Ltd. – UK (Owner / Director) |
| 2001 –2005 | Hands-on Technical Manager  Technical Lead  Senior Project Manager  Senior ETL Developer / DBA | SIVECO Group – UK |
| 1998 –2001 | Senior DBA / Developer  Project Manager  Senior Business Analyst  Software Engineer  Business Analyst / Developer | SIVECO Group – Romania |
| 1991 – 1996 | Analyst / Programmer | Magnum Trade 2000 SRL – Romania |
|  |  |  |

Mai n Technical Skills

|  |  |
| --- | --- |
| Frameworks / Libraries / Methodologies | Enterprise Architecture : TOGAF 9, DAMA  DWH & Business Intelligence: Kimball / Inmon / Data Vaults  IT service : ITIL 2011  Management: PRINCE2  Application and Web development : MFC, .NET, ASP.NET, J2EE, Ajax, Eclipse  Services Architecture / Design : SOA, ESB, Web Services (REST / SOAP), Microservices |
| Platforms | UNIX (IBM AIX / SUN Solaris / HP UX)  Linux (SUSE / RHEL / Ubuntu)  Windows (NT / 2000 / 2003 / XP / Vista / 2012 / 2015)  Cloud (AWS, Azure - certified) |
| Programming languages | C/C++, Java  ANSI SQL, PL/SQL, T-SQL, SQL-PL  UNIX shell scripting (Korn, C), Python  VB.net, C#  HTML, XML / XSD, JavaScript  UML 2.x, ArchiMate  Prolog, LISP |
| Database technologies | *ORACLE* (ver. 7.3.2 to 11g) and *SQLServer* (ver. 2000 to 2015):  Advanced Administration  Data Warehouse & Data Marts architecture & design  Relational & dimensional modelling / design / development (including OLAP)  Performance tuning / Cost based optimisation  Backup and recovery solutions, disaster recovery, Oracle RAC  *Teradata, DB2, MySQL*:  Basic administration (including installation, upgrade and migration)  Performance tuning  *ACCESS*, advanced *EXCEL* |
| DWH / BI / EDI  technologies and tools | Kimball & Inmon DWH methodologies and architectures  ORACLE Warehouse Builder / Discoverer / ORACLE Application Express  MSSQL DTS, SSIS, SSRS, SSAS, SharePoint, PerformancePoint  SAP Business Objects (5i, XIR2, XIR3),  Teradata DWH Appliance / Teradata Data Mover  IBM InfoSphere (MDM, WAS, BPM, DataStage / QualityStage / Metadata Workbench)  WebMethods (Software AG)  Microsoft MDS (Master Data Services), Microsoft APS (Analytics Platform System)  MicroStrategy (Architect, Desktop, Intelligence Server, Reporter Server)  QlikView, Crystal Reports, Tableau, Alteryx |
| Data Quality tools | HelpIT / MatchIT  Experian QAS  Infoshare ClearCore |
| Modelling Tools | SPARX Enterprise Architect (EA)  Erwin, Oracle SQL Developer, Toad, IBM Data Architect  Rational Rose (Software Architect), MS Visio |
| Others | Experience with various ERPs / EAMs / CRMs (SAP, ORACLE Apps / E-Business Suite, JD Edwards, Microsoft Dynamics, Siebel, Agresso, iTrent, RiO, Sage)  ORACLE EM and Diagnostics / Tuning / Perf. Packs, RMAN  ORACLE Designer / Forms / Reports  Tivoli Work Scheduler  Infrastructure / App monitoring tools (App Dynamics, Splunk)  Code management / DevOps and automation tools (BitBucket, Git, Nexus, Jenkins)  Containerisation (Docker)  Very good understanding of DPA and GDPR regulations / requirements  Collaboration / tracking tools (JIRA, Assembla, ServiceNow, MS Project) |

Experience

## *From Feb 2005 (GAMACONS ltd)*

Having received Indefinite Leave to Remain (ILR) in the UK in Feb 2005, I formed my own Ltd company and moved into consultancy. Examples of recent contracts / projects:

* ***NHS Improvement (***[***https://improvement.nhs.uk/***](https://improvement.nhs.uk/)***) Jan’18 – Jul’18***

NHS Improvement (previously Monitor) is responsible for overseeing foundation trusts and NHS trusts, as well as independent providers that provide NHS-funded care.

Working on various projects, covering the roles of Solutions Architect & Data Architect.

***Solutions Architect***

* + - Solution shaping & solution architecture for internally fulfilled projects (on-premise, cloud-based and hybrid)
    - Solution review for projects fulfilled through 3rd parties (As-Is and To-Be architectures)
    - Liaison with various NHS arm-length bodies (NHS Digital, NHS England, CQC, etc) for common solutions
    - Most important projects:
      * NHSI MDM solution (PID, HLD, High Level Plan / Architectural roadmaps)
      * NHSI CRM Solution (HLD review, NFRs, Data migration strategy, etc)
      * NHSI metadata management system
    - Technology & tools: Microsoft APS (Analytics Platform System) & SQLServer, Microsoft Office 365 / Dynamics 365 / SharePoint, Microsoft MDS (Master Data Services), Microsoft Azure (IaaS / PaaS / SaaS), MS BI Stack, Sparx EA, Tableau, Alteryx, Okta, etc

***Data Architect / Modeller***

* + - CDM / LDM / PDM for NHSI MDM Solution
    - Data patterns / workflows / data lineage for various existing and new data acquisition solutions
    - Enterprise Data governance tasks
* ***Waitrose (***[***http://www.waitrose.com/***](http://www.royalmail.com/)***) Feb’16 – Sept’17***

The main goal of the project was to align existing Waitrose customer data (already DPA-compliant) with the upcoming GDPR (General Data Protection Regulation) specifications.

The strategy chosen was to build from scratch a customer-centric MDM (Master Data Management system), using an off-the-shelf IBM MDM product, IBM WAS / Infosphere technology stack, various flavours of Linux & Windows and DB2 database as back–end, bespoke Java / JavaScript development, multiple data sources, various tools, etc.

This project had many challenges, main ones: adapting IBM MDM to Waitrose specific requirements, its integration with Waitrose Enterprise Service Bus (ESB based on *WebMethods* / *Software AG* products/platform) within a SOA framework, multiple environments required for the path to production as well as the security required by dealing with PII-related (Personally Identifiable Information) data.

***Technical Lead / Designer***

* + - Work with the Solution Architect to define and agree the Solution Architecture
    - Responsible for low level design of the solution and all technical aspects of the delivery, i.e. infrastructure, development, integration, testing, release management, etc.
    - Translate the HLD into formal Detailed Design documentation (producing various design documents and artefacts). Formalise ICDs between all pairs of interacting components.
    - Agree and approve the development approach and deliverables from all teams (internal and 3rd party)
    - Oversee the detailed design activities for the development, configuration and installation of the system, by working closely with various Waitrose teams (Build / Networking / Databases / Integration / Testing / BI)
    - Agree and approve the technical documentation approach and documentation deliverables for the project
    - Ensure that the development and implementation meet the functional and non-functional requirements, are aligned to the approved architectural design, and implemented with the agreed level of quality
    - Collaborate with Service Transition and Operations teams to ensure the solution was successfully transitioned into service
    - Ensure appropriate versioning / release / deployment strategy and processes (configuration management etc.) are adopted and implemented

***(De-facto) Infrastructure Architect***

* + - Create / own various technical artefacts, including As-Is and To-Be architectures, TAD (Technical Architecture Document), etc
    - Work with Architecture teams (Enterprise, Infra, Security) to ensure that all cross-program technical dependencies are identified and managed
    - Align with various Waitrose infrastructure and security standards, tailoring as appropriate for specific project needs (network, load balancing, firewall configuration, vulnerabilities and implications, deployment)
    - Choosing and overseeing the project-related implementation of various DevOps tools and technologies (Docker containerisation, Git / BitBucket, Nexus, Jenkins, Splunk, App Dynamics / Insights, etc)
* ***Royal Mail (***[***http://www.royalmail.com/***](http://www.royalmail.com/)***) Feb’15 – Nov’2015***

The aim of the project was to build a Single Customer View (DWH / MDM) for all Royal Mail customers, using a Teradata platform, IBM technology (InfoSphere, IBM MDM / Reference Data, DataStage, etc), various flavours of Linux & Windows as back–end, cleansing tools, Tivoli WS and a multitude of data sources. Delivered in stages (Drops), each drop following a full waterfall development cycle.

My main role was to architect and design (mainly 1st level and mostly 2nd level) the solution in all its aspects – connectivity, ETL processes, data quality, dimensional data modelling, etc.

***Solutions Architect / Designer***

* + - Act as the central hub for insuring the technical delivery on key project deliverables, liaising with other technology teams, external vendors, other project teams, testers and the business
    - Evaluate / review candidate technologies and capabilities
    - Validate, consolidate and prioritise business requirements
    - Factoring in all Infrastructure & Security requirements
    - Factoring in various Data Protection Act (DPA / PII) requirements
    - Working closely with Enterprise architects to ensure the alignment of the solution with Royal Mail’s Enterprise Architecture standards and roadmaps
    - Working closely with the development team for refining / detail designing and implementing the solutions
    - Collaborating with RMG EA / SA / TDA for shaping / approval of the solutions
    - Helping with the definition and validation of SLAs and TOM (Target Operating Model)
    - Producing various Architectural / Design documents and artefacts:
    - High Level Design and Solution Design artefacts (SOA)
    - Inmon-style DWH / MDM architecture artefacts and roadmaps
    - Architectural matrixes (Entity/Business Function, Application/Data)
    - Requirements traceability matrix
    - Volumetrics / Capacity planning
    - Master Solution Design documents for each Drop

***Data Architect / Designer***

* + - Data Interoperability and Data Governance tasks, policies, principles, standards, patterns
    - Producing various Data Architecture/ Design documents and artefacts:
    - As-Is and To-Be architectures, roadmaps
    - Data Catalogue / Data Security / Data Dictionary / Data Lineage & Lifecycle
    - CDMs for 12 different data sources (various Apps, CRMs, ERPs, XML docs / schemas, etc) deemed in scope for the global solution
    - High-level and detailed design for using Infoshare ClearCore as data-quality tool
    - 3NF/4NF and dimensional design (CDMs / LDMs), XML / JSON schemas for conformed DIMs
    - Conduct formal stakeholder reviews
    - Data governance, metadata management, patterns and policies
* ***South Central Ambulance Service (***[***http://www.southcentralambulance.nhs.uk/***](http://www.southcentralambulance.nhs.uk/)***) Mar’14 – Nov’14***

South Central Ambulance Service (SCAS) is part of the National Health Service (NHS). Established in 2006 following the merger of 4 ambulance trusts and becoming a foundation trust in 2012, it handles around 500,000 emergency and urgent calls a year.

The aim of the project was to build a full Enterprise BI solution from scratch.

My main role was to architect / design all the data models required by the epistemological path agreed upon within the project team.

I was also involved in the Business Analysis (around DWH Conformed Dimensions) and architecting the entire DWH/BI solution.

***Data Architect / Designer / Modeller***

* + - Governance tasks: select / define architectural data principles, best practices, data standards, communication plan, some policies/processes
    - Create Target Data Architecture and define candidate roadmap components
    - Producing CDMs (Conceptual Data Models) for 14 different data sources (Applications, XML docs / schemas, etc, including the old DWH) deemed in scope for the global BI solution
    - Consolidating all the above CDMs into a GCDM (Global Conceptual Data Model), as the target for the BI solution
    - Producing the LDMs (Logical Data Models) and PDMs (Physical Data Models) for 18 conformed dimensions
    - Creating and maintaining Data Dictionary and Data Lineage artefacts
    - Creating the Source-Target mappings, population rules as well as actually creating the scripts for the initial population of all the above structures
    - Conduct formal stakeholder reviews (documenting and signing-off each data model)

***Consultant for the Enterprise DWH/BI Solution***

* + - Architecture for the full Enterprise BI solution (TOGAF / Kimball), based around:
    - SQLServer 2008 R2 / 2012 (backend)
    - SSIS/ SSRS / SSAS
    - QlikView (for the main presentation layer)
    - Iterative approach (Kimball methodology), generating a global EBM (Enterprise Bus Matrix) with 7 main work-packages
    - Estimating effort and resources required, sketching the delivery plan

***Business Analysis***

* + - Conducted interviews with stakeholders and business users for 18 Conformed Dimensions
    - Understanding / documenting (BPMN) / suggesting improvements for business processes in order to support the feasibility of the Conformed Dimensions
    - Data profiling using manual / proprietary scripts
    - Generating documentation / artefacts for CDMs / LDMs / PDMs, using mainly Sparx EA as modelling tool
* ***Valtech (***[***http://www.valtech.com***](http://www.valtech.com)***) Feb’14 – Feb’14***

Valtech is an international digital consultancy, with huge experience in delivering complex solutions based on Agile methodology.

The aim of this project was to help / guide the preparation & presentation of an offer for building a DWH / BI solution for one of Valtech’s clients.

The solution required a marriage between an iterative approach (combination Kimball / Inmon) and Agile methodology.

***DWH / BI Solution Architect / Designer***

* + - Assessing the existing datasets and reporting requirements and transforming them into a 1st level design for a viable DWH/BI solution
    - Estimating effort and resources required
    - Sketching a project and delivery plan
    - Presenting the suggested solution to Valtech’s client
* ***St Andrews Hospital (II) (***[[***http://www.stah.org***](http://www.stah.org/)](http://www.screwfix.com/)***) Aug’12 – Dec’13***

St Andrews is the UK’s largest non-for-profit mental healthcare charity, offering specialist services for men, women, adolescents and older people, across Mental HealthCare, Learning Disability, Brain Injury, Progressive and Neurodegenerative conditions, etc.

The aim of the project was to build a full Enterprise BI solution from scratch.

My main roles were to architect / design the solution in all its aspects (DWH / ETL / BI Applications), build and technically lead an off-shore team, as well as being involved in the Business Analysis and the actual Project Management.

This project was the next natural step following the previous project focused only on the *scoping* of this Enterprise BI Solution for the same customer (see also project below for March-Aug 2012).

***Enterprise BI Solution Architect / Designer***

* + - Architecture & design for the full Enterprise BI solution (TOGAF / Kimball), based around:
    - SQLServer 2008 R2 / 2012 (backend)
    - Wherescape RED (for ETL)
    - SSRS / SSAS ( for main reports / cubes)
    - MS SharePoint 2010 and PerformancePoint 2010 (Presentation Portal)
    - Data Governance tasks (vision, objectives, data management model, principles, some processes etc)
    - Sizing the hardware and choosing the software for the BI solution
    - Preparing, creating and maintaining DWH DEV & TEST environments, supervising the creation of the backend for the PROD environment
    - Supervising the installation and all bespoke development for BI applications (SSRS, SSAS, SharePoint, PerformancePoint)
    - Consolidating and signing-off with the customer the presentation &reporting standards (SSRS reports structure, look and feel of the portal, general end-user experience, etc)
    - Architecture / Design / Implementation of the Security of the BI solution

***DWH& Data Architect / Designer / Modeller***

* + - Assessing the existing reporting requirements and transforming them into actual DWH structures
    - Iterative approach (Kimball methodology), generating a global EBM (Enterprise Bus Matrix) with 9 main workpackages and 16 total sub-packages
    - Producing the LDM (Logical Data Model) and PDM (Physical Data Model) for a Consolidation MDM (Master Data Management System) for the core reference data, fully integrated within the global DWH architecture. Initially containing 14 conformed dimensions, with various structures and hierarchies.
    - Producing the LDM and PDM for 25 Star-schemas and tens of further other package-specific dimensions
    - Source-target mappings, business rules, as well as actually creating the scripts for the initial population of all the above structures
    - Designing the relational ODS (Operational Data Store) / Data Vault containing hundreds of tables. Physically creating the ODS. Generating XML / JSON schemas for conformed dimensions
    - Testing / reviewing / adjusting the population of the DWH during subsequent development and testing phases (creation of the SSRS Reports and SSAS Cubes, ETL development, UAT)
    - Bridging the gap between the Design and Reports development, i.e. actually guiding the report developers in the actual creation of the SSRS / SSAS reports and cubes
    - Adjusting the CDM (Conceptual Data Model) after each iteration
    - Metadata management, creating and maintaining Data Dictionary and Data Lineage artefacts
    - Defining / approving / monitoring Data Quality KPIs
    - Documenting and signing-off each DWH iteration

***ETL Architect / Designer / Developer***

* + - Architecture, design & part development for a fully-automated ETL solution using Wherescape RED as ETL-tool
    - Developing and testing a fully-functional pilot for the management of the Consolidated MDM (the initial 14 dimensions)
    - Defining / approving / monitoring system KPIs
    - Documenting and signing-off the Architecture and Design of the ETL solution
    - Supervising / helping the development team during further ETL development

***Technical Lead / Project Management / Business Analysis***

* + - Defining the project plan (alongside customer’s PM) by incorporating Kimball methodology and industry best practices within an Agile development environment
    - Conducting interviews and hiring the core off-shore development team (China)
    - Managing and technically leading the off-shore team (Agile)
    - Defining and following closely the release management processes and tools
    - Collaborating with customer’s in-house team (PM, DBAs, Analysts)
    - Conducting 1st and 2nd level analysis for all conformed dimensions
    - Conducting part of the 2nd-level business analysis (Finance)
    - Platforms / tools / programming languages used: various flavours of Windows, SQL-Server 2000 / 2005 (mainly) / 2008, T-SQL, SSIS/SSRS/SSAS, Erwin, Enterprise Architect
* ***St Andrews Hospital (I) (***[[***http://www.stah.org***](http://www.stah.org/)](http://www.screwfix.com/)***) Mar’12 – July’12***

The aim of the project was to scope the actual / main project for a new Enterprise Data Warehouse and reporting solution, built around SQLServer 2008 R2. However, the deliverables expected from this scoping phase were complex (e.g. including the Conceptual Data Model for the target DWH).

***Enterprise BI Solution Architect / Designer***

* + - PID and 1st-level architecture & design for a complete DataWarehouse solution (Kimball)
    - Iterative approach (Kimball methodology), generating a 1st level EBM with 9 main packages, 14 conformed dimensions and tens of data-source-specific dimensions
    - Assess the existing reporting requirements
    - Relational ODS (Operational Data Store) containing hundreds of tables
    - Sizing the hardware and software for the DWH
    - Architecture for a complete fully-automated ETL solution using SSIS

***Data Architect / Designer***

* + - Governance tasks: define goals and principles, communications plan, roles & responsibilities
    - Assess four main data sources (Agresso, RiO, iTrent, Microsoft CRM)
    - Reverse-engineering each data-source in the areas of interest, generating for each of them ERDs and CDM
    - Identifying / defining the conformed dimensions
    - Producing the global CDM (Conceptual Data Model) for the DWH

***Project Management / Business Analysis***

* + - Defined the project plan for the scoping phase, using Kimball methodology and industry best practices
    - Conducting part of the First-Level business analysis (Finance, Healthcare, HR, CRM)
* ***Nutricia (DANONE Group) (***[***http://www.nutricia.com/***](http://www.screwfix.com/)***) Mar’10 – Dec’11***

As part of a global business within Danone, Nutricia develops, produces and delivers specialised nutrition for many conditions and situations (frail and elderly, infant allergies & faltering growth, special needs and disease related).

I had a multi-tasking role, as responsible for the technical delivery of a new Oracle-centred Data Warehouse and reporting solution, using OWB as main ETL tool and Microstrategy as BI tool.

***Enterprise Datawarehouse, ETL and Data Architect / Designer***

* + - Architecture & design for a complete DataWarehouse solution (TOGAF /Kimball)
    - Complete data architecture, producing CDM (Conceptual Data Model) LDM (Logical Data Model) and PDM (Physical Data Model)
    - Architecture, design & part development for a complete fully-automated ETL solution
    - Cleansing / conforming / consolidating 10+ data sources (ERP / Contracts / IMS data / Nurses mgmt/ Microsoft Dynamics CRM, etc), from a variety of platforms (Oracle, SQL/Server, Access, flat files)
    - Iterative approach (Kimball methodology), with 11workpackages delivered in 11 months, producing in excess of 30 datamarts / star-schemas
    - Relational ODS (Operational Data Store)/ Data Vault containing hundreds of tables
    - Variety of platforms / tools / programming languages used:
    - Unix HP-UX, various flavours of Windows
    - Oracle9.i, 10g (mainly), SQL-Server 2008, Access
    - SQL, PL/SQL, shell-scripting
    - Oracle tools, OWB (Oracle Warehouse Builder), OMB+, Enterprise Architect, Toad, MicroStrategy Architect, Microstrategy Designer, etc

***MDM and integration with DWH***

* + - Quite soon in the project, it became clear that an MDM system (*Consolidation* style architecture) was required
    - Developed using mainly .NET technology
    - As technical lead, I was in charge with writing most of the initial specs as well as overseeing, guiding and supporting the development
    - Quite challenging task, due to a) variety of data sources, b) the number of dimensions and c) their complexity (multiple hierarchies, SCD2, etc)

***Business Analysis***

* + - We had a first level analysis, but incomplete and in obvious need for a face-lift. A second level analysis was clearly required. Conducted interviews with stakeholders and business users for most workpackages (Finance, Contract P&L, Nurses Mgmt, Commercial Effectiveness, Customer Services, Inventory, Supply Chain, etc)
    - Understanding / documenting (BPMN) / suggesting improvements for business processes
    - Data profiling using OWB
    - Generating documentation / artefacts for Functional / User / Technical Specs as well as CDM / LDM / PDM, using mostly Enterprise Architect as modelling tool
* ***ScrewFix (***[***http://www.screwfix.com/***](http://www.screwfix.com/)***)*** ***Jan’10 – Feb’10***

ScrewFix is the UK's largest direct and online supplier of trade tools, accessories and hardware products, with a catalogue containing over 18,000 stock lines and dispatching tens of thousands of parcels every week.

***OWB / ODI development role***

* + - The project was using Oracle BI stack (OWB& ODI)
    - Installation of OWB and ORACLE Workflow 11g, setting up multiple workspaces / users
    - Peer-reviewing the existing SOA architecture
    - Data profiling using ODI
    - Development of mappings, data rules, data auditors and process flows
    - Bespoke ETL PL/SQL development
    - Challenging Agile project
* ***TOTAL Gas & Power (***[***http://www.totalgp.com/***](http://www.logicalis.co.uk)***)* *Feb’09 – Dec’09***

Total Gas & Power is part of the TOTAL Group of businesses and is one of the leading UK gas and electricity suppliers (over 50,000 sites across all market sectors).They have developed the specific skills and experience to offer this market sector a superior service at competitive prices.

Their significant range of innovative products is supported by a complex IT structure, involving multiple platforms, tools and development environments, as well as various off-the-shelf, bespoke and in-house developed applications.

Having Gas/Power consultancy experience, I joined them as a support consultant for Oracle, PL/SQL and Business Objects.Examples of projects:

***Pilot for feeds using Oracle Warehouse Builder (OWB)***

* + - Having a complex structure of feeds from various third-party companies from across the industry, they were looking for a way of consolidating them under a new, modern platform
    - OWB was TGP’s tool of choice and I put together a pilot for some of the most relevant such feeds. The pilot had three incarnations, each time including more complex requirements
    - Very challenging project, due to a) extremely secure environment, b) complexity of platforms and Oracle versions involved (8i, 9i, 10g and 11g) and c) timescales

***SAP Business Objects migration from BO v5 to BOXI v3***

* + - With hundreds of users and a legacy of tens of universes, many hundreds of BO reports and a 3-environments target (dev, test and prod), this upgrade was a real challenge for the 4-strong team involved
    - Many reports were too complex to be simply migrated, they needed re-creation from scratch using the new technology (either WEBI or DESKI). Also, due to the WEBI requirement and many existent free-hand SQL reports, universes needed serious facelift
    - The project took few good months but it turned out as a resounding success, with the users quickly embracing the new WEB-based technology

***SAP BO Support***

* + - It is notoriously known that the problem is rarely in the report itself, and TGP was no exception. Quite often the ‘wrong’ BO report was just the tip of the iceberg, the root cause and, implicitly, its fix, were buried deep down in one of the many underlying processes
    - Due to the very secure production environment and extremely complex and heterogeneous infrastructure, with tens of Oracle databases, DB-links and bespoke refresh processes between them, investigating any single problem could take anything between few hours to few days
    - During both the investigation and the fix I had to make good use of technical skills in a range of platforms (UNIX HP and SUN, Windows), programming languages (mostly PL/SQL but also Pro\*C, Java, VB.net) and IDEs (Oracle Forms, BOXI, MS Visual Studio 2005, PLSQL Developer)
    - BO support also involved: setting up users, modifying Universes, scheduling jobs, various trouble-shooting

***Other projects for ORACLE-oriented development***

* + - Most of these projects started off as new BO reports requirements, but they turned out as development projects on their own, due to either multiple data-sources, un-synchronised data or complex processing required
    - Having a personal interest in DB performances, I was also required to address various performance issues which usually ended up successful
* ***Logicalis (***[***http://www.logicalis.co.uk***](http://www.logicalis.co.uk)***)*** ***June’05 – Nov’08***

Logicalis is an international provider of integrated ICT solutions with a portfolio that blends networking, unified communications, security, enterprise performance management, data management, application integration and enterprise computing.

As a contractor in their BI Team for almost 3.5 years I was involved in many major projects, all delivered on time and to budget:

***Waitrose Transactions DataMart*** *(http://www.waitrose.com)* ***June’08 – Nov’08***

* + - Important project, developed around Oracle Warehouse Builder (OWB)
    - Designated Performance Specialist for this Datamart, containing tables of 10 billion+ rows
    - Responsible for analysis / design / implementation / documentation of all ORACLE (cost based) optimisation techniques required: range-hash partitioning, parallelism, Star Transformations, Materialized Views, Query Rewrite, PCT, etc
    - Responsible for securing card data through SHA1 / Java BASE64Encoder encryption

***ESP Integration for QSS DWH*** *(*[*http://www.quadrantsubs.com*](http://www.corporate.quadrantuk.co.uk), part of RBI*)* ***Feb’08 – June’08***

* + - This was a cross-platform and cross-technologies major project, trying to replicate and improve the similar project for JLP (see below ***ESP Integration for JLP DWH***). In essence, all email-campaigns had to be automatically and periodically extracted from DWH and passed to an Email Service Provider – in this instance DreamMail
    - I was the project manager as well as the senior designer / developer, using a range of tools and platforms: UNIX (HP UX) scripting, SQL, PL/SQL, Oracle HTTPS, XML, Java, VB.NET, AutoMate

***JLP Communications DataMart*** *(*[*http://www.johnlewis.com*](http://www.johnlewis.com)*)* ***Oct’07 – Feb’08***

* + - As their marketing DWH increased dramatically, JLP needed a communications DataMart for improving the reporting of historical email campaigns
    - I was the sole analyst / designer / developer for this DataMart, tasks covered: business requirements capture, solution architecture, UML artifacts, dimensional design, development, roll-out, project management
    - Used a mixture of PL/SQL, Oracle Warehouse Builder (OWB), UNIX shell scripting
    - Put in place specific ORACLE optimisation structures and techniques (Materialized Views, Query Rewrite). Addressing performance issues, as the final Datamart contained fact tables with 1 billion+ rows.

***DWH development for QSS/RBI June’07 – Oct’07***

* + - Various other Data Quality / DataWarehouse ORACLE-based development

***ESP Integration for JLP DWH Jan’07 – June’07***

* + - Major project, aiming at automation of JLP email campaigns, containing up to 2 million emails / day. The solution had to integrate: JLP DWH, the campaign tool (Cordiant Marketing Director), ESP provider (DreamMail). All in a secure FTP environment, involving both UNIX and Windows platforms.
    - Information captured by DreamMail as a result of sending marketing emails, including un-subscribes, bounce-backs, click-throughs etc had to be returned to DWH for analysis.
    - I was the senior co-designer / developer, using an interesting range of tools and platforms for this integration: UNX (IBM AIX) scripting, SQL, PL/SQL, C#, Oracle HTTPS, XML, Java, CuteFTP

***De-dupe and Merge mechanism for JLP DWH Nov’06 – Jan’07***

* + - Design / develop / implement mechanisms for data quality, de-duping and merging duplicate customers in JLP DWH, by incorporating third-party tools (QAS MatchIT)
    - As a result, JLP made massive savings in their direct & email campaigns

***New architecture (SOA) and re-design for JLP ETL July’06 – Nov’06***

* + - Because the new set of feeds was a success in term of accuracy / speed / reliability (see below JLP new section for DWH), JLP wanted to re-design all old feeds according to the new SOA architecture
    - Logical and physical data design & modelling
    - I covered project manager responsibilities, as well as re-designed, developed, tested and implemented the new architecture for all 8 old feeds, using a mixture of PL/SQL, SQL, Oracle Warehouse Builder (OWB), UNIX shell scripting, Oracle Application Express
    - Some of the re-designed feeds were capturing, cleansing and de-duping credit card specific details / card transaction data.

***New section for JLP DWH (GreenBee project) Dec’05 – July’06***

* + - One of the most important JLP projects I was involved in - responsible for a completely new section of the existing JLP DWH (mostly Insurance-related data)
    - I was responsible with gathering and documenting business reqs, designing (including UML artifacts), developing, testing and implementing the architecture of all new feeds (7 different new providers, with different logic, products and transactions) and all DWH structures involved
    - Used extensive SQL, PL/SQL, UNIX shell scripting and third-party tools (QAS MatchIT)

***CRM for PARADOR Properties (***[*www.paradorproperties.com*](http://www.paradorproperties.com)***) June’05 – Dec’05***

* + - Conducted / formalised Business Analysis of the 2 main legacy systems (FileMaker and ACCESS) and defining the data consolidation strategy
    - SQLServer2000 / 2005 DBA: backup / recovery, performance tuning, back-end support
    - Assistance for app development (.NET, C#, VB.net) and deployment (IIS)
    - Analysis and design of the DB structure of the target system (tables, views, triggers, stored procedures, etc)
    - Functional Requirements and Software Architecture documentation. Logical and physical data design & modelling
    - Developing / testing all the required T-SQL stored procs for ETL/Data Quality/Transfer
    - Design / admin SSRS Portal
    - Support and assistance for reporting (Crystal Reports, Business Objects Universe creation)
    - Developing / testing / deploying ETL for daily feeds of data in/from the target system using SQLServer DTS (2000) / SSIS (2005)

***Others***

Apart from the major projects above, I was involved in 15+ other Logicalis smaller-scale projects:

* + - Periodical assignment (rota basis, 1-3 weeks every 3-4 months) as Production DBA for JLP on a 24/7 environment
    - ORACLE performance tuning (application / session / statement) for various reporting tools used by JLP Analysts: SAS, Business Objects, Cordiant Marketing Director, etc
    - ORACLE installation / patching on UNIX AIX and Solaris
* ***HOLCIM Serbia (***[***www.holcim.com***](http://www.holcim.com)***) Feb’05 – June’05***
  + - ORACLE 9i2 functional and operational support
    - Performance Tuning for their production DB
    - Bespoke analysis & development (PL/SQL & Java)
    - Bespoke reports (REPSTAR)

## *Feb 2001 - Feb 2005 (SIVECO UK)*

SIVECO Group ([***http://siveco.com***](http://siveco.com)) is a global company, present in 6 countries, Europe’s leading provider of Enterprise Asset Management (EAM) solutions. After serving the Group’s interests in Romania for 5+ years, I was invited at their UK’s branch as their hands-on Technical Manager.

Personal responsibilities and achievements:

* As the most senior Business Consultant and ORACLE developer in UK, in charge with the design & management of all ETL processes required by new installations of our products, as well as the development of the accompanying bespoke ETL tools – usually in-house PL/SQL, T/SQL, Java, Oracle Forms, VB.NET/C# developments and occasionally third-party tools (Ascential Datastage, SQLServer DTS, etc). Also in charge with all new/bespoke development for UK-based clients. Analysis / design / UML artifacts / development for interfaces between SIVECO products and other ERPs and EAMs: SAP, JDE, SUN Systems, BPCS, ORACLE Applications
* In-house ORACLE DBA for development, test and support environments. Maintaining multiple ORACLE NT Instances and multiple schemas, for supporting different versions of SIVECO products. Versions of ORACLE: 7.3.4, 8.0.5, 8.0.6, 8.1.6, 8.1.7, 9i, 9i2 and 10g. Maintaining one ORACLE instance (9i2) on LINUX platform
* As the most senior ORACLE consultant, I set-up and delivered the following services: admin training sessions, remote administration, proactive maintenance, diagnosis & performance tuning, corrective maintenance (troubleshooting)
* Senior Business Analyst and Project Manager in 20+ projects in ~4 years, usually few simultaneous. Examples of customers: VOSPER Thornycroft (VT Group), BOOTS PLC, ARJO Wiggins, HOLCIM Group, LAFARGE Group, London Underground, QUEST Intl (ICI Group), COX Alpharma, JACOBS Biscuits, etc.
* Latest versions of SIVECO’s products involved being trained and gaining skills in new languages, technologies and platforms: SQLServer2000 administration, Transact SQL, JAVA/J2EE, HTML/XML, Crystal Reports 9.2, Business Objects 5i, ORACLE 10g Application Server, ORACLE Discoverer, IIS, Apache Tomcat Server
* When Crystal Reports became the standard embedded reporting tool for SIVECO’s flag-ship product, I have personally re-written in Crystal Reports all 200+ pre-defined reports.
* Various Business Objects Universes creation for different customers.
* Analysis & development of testing scripts for in-house testing of SIVECO’s products. Testing tools: Mercury (Test Director, WinRunner 5.0) on multi-version and multi-platform environments

Other skills gained & responsibilities covered during this period:

* WIN’NT4, WIN’2000, WIN’2003 Server administration, IIS, Active Directory, IBM MQSeries, etc
* Remote maintenance (CITRIX, PC-Anywhere, VPN)
* Microsoft Exchange Server management (install, admin, backup, recovery)
* Pre-sales consultancy within SIVECO UK and SIVECO Group
* In charge with new technology procurement and change management for SIVECO UK

## *March 1996 – Feb 2001 (SIVECO Romania)*

I started at the Romanian branch of SIVECO Group ([[*http://www.siveco.ro/web/?page=11&language=2*](http://www.siveco.ro/web/?page=11&language=2)](http://www.siveco.ro/)) as Software Engineer. I quickly became Project Manager & Technical Business Consultant for developing & implementing SIVECO Applications suite.

* I personally specialised in: Asset Management, Maintenance, Services, Contracts, Production, Stock, OLAP, Purchasing and Finance & Accounting
* Worked on 40+ projects in 5 years, some of them simultaneously, in some of the most important Romanian industrial companies: Constantza Port, DAEWOO Auto – Romania, BUTAN-Gas Romania, RomTelecom, Cernavoda Nuclear Station, National Radio-Broadcasting, Romanian Railways, some of the most important Romanian petrol-refineries and power-plants, etc.
* Analysis (including UML artifacts), development and implementation of SIVECO solutions involved a very close work with RAIMA DBMS and ORACLE RDBMS (since 1996):
  + - ORACLE installations, upgrades, migrations, administration
    - Defining backup/restore strategies, etc – on Windows and UNIX platforms
    - ETL using in-house developed tools (C/C++, SQL, PL/SQL)
    - Reporting tools (REPStar, ORACLE Reports)
    - Extensive use of OEM and Diagnostics / Tuning / Performance Packs
* Program and Project Manager for ameliorating existing modules of SIVECO Applications suite or tailoring new ones, involving:
  + - Project management
    - Logical and physical data design & modelling (Rational Rose, Visio, Erwin, SQL-Navigator, TOAD)
    - Database back-end design (PL/SQL, Pro\*C)

Starting with 1998, my responsibilities got wider, becoming also in-house ORACLE DBA for the WEB-oriented development department (20+ people) and support department (10+ people). Also tutoring in ORACLE Admin and SQL & PL/SQL all support engineers.

Because of implementation experience gained over years, I was used by SIVECO Group in some delicate projects abroad ranging from a month to a year, in France, Turkey, Tunisia, Lebanon, Bulgaria, Serbia.

## *Sept 1991 – March 1996 (MAGNUM TRADE 2000 SRL)*

I started up my own business in the last year at University. I was writing and selling in-house developed software packages. Languages/developing environments: C, Turbo-Pascal, FoxPro.

Education, Qualifications & Courses

|  |  |
| --- | --- |
| ***Sep – Dec 2018*** | Artificial Intelligence (Q-Learning & Deep Q-Learning) courses  Microsoft Azure formal courses & certification |
| ***Feb – Apr2018*** | Tableau Desktop  Azure training |
| ***Oct – Dec2017*** | Machine Learning & AI (course & certification - Stanford University)  Python (advanced course)  NoSQL, Ethical Hacking |
| ***Dec2016 – Feb2017*** | Machine Learning |
| ***Dec2015*** | PRINCE2® course |
| ***Dec2014 – Jan2015*** | ITIL® v3 / 2011 course & certification |
| ***Nov – Dec2014*** | TOGAF® 9 course & certification (both Level I & II) |
| ***Jan2014*** | Hadoop / Big Data course |
| ***Oct – Nov2012*** | Wherescape RED Admin / Development / Pragmatic DWH (training & certifications)  Advanced training in Data Modelling techniques |
| ***Sep – Dec2010*** | Microstrategy Administration / Development |
| ***Mar 2009*** | ORACLE PL/SQL Certification (Master level) |
| ***Dec 2008*** | ORACLE DBA Certification (OCA) |
| ***Oct – Nov 2008*** | Datawarehouse Architecture and Design (Kimball Methodology) |
| ***June – July 2006*** | MSSQLServer2005 Administration  SSIS / SSRS / SSAS |
| ***2001 – 2005*** | Periodical training courses at SIVECO’s headquarters (France):   * + - Project Management     - Data Modelling     - CITRIX technology     - Business Objects, Crystal Reports     - Java / J2EE / .NET     - Oracle 9i/10g App Server, Oracle Discoverer, Apache Tomcat, IIS, etc |
| ***Oct – Nov 2001*** | MSSQLServer2000 Administration  Transact-SQL |
| ***May – July 1998*** | Formal training and certification for SQL and PL/SQL  ORACLE Administration (UNIX and Windows)  ORACLE Backup & Recovery (UNIX and Windows)  ORACLE Network Administration (UNIX and Windows)  ORACLE Performance Tuning (UNIX and Windows) |
| ***Oct – Dec 1997*** | Formal training and certification for UNIX  UNIX – Administration (SUN Solaris)  UNIX – Programming (shell scripting: Korn / Bourne / C)  UNIX – End-User |
| ***May – June 1996*** | Specialisation for Technical Support and Implementation at SIVECO HQs in Paris (<http://www.siveco.ro/en> and <http://www.siveco.com/>) |
| ***1987 – 1992*** | University Studies: MSc – Faculty of Automatic Control & Computers  University POLITEHNICA of Bucharest – Romania **(**<http://acs.pub.ro/index.php?site=prezentation&lg=english>**)**  Graduated with mark 9 on a 10-point scale (Programmable Apparatuses).  For alumni please visit <http://alumni.cs.pub.ro/membri/ingineri/1992/g.html> |
| ***1986 – 1987*** | Compulsory military service |
| ***1982 – 1986*** | National College "Nicolae Balcescu" (Mathematics+Physics) Braila - Romania (<http://cnnbbraila.scriitor.org/>). Graduation (baccalaureate): July 1986. |

Other Languages

* Romanian (conversational)
* French (intermediate)
* Russian (beginner)

Personal Interests and Hobbies

* Shotokan Karate, Yoga
* Philosophy, history of religion
* Guitar, stamps, chess