Ram Prasad Etikala

UK Resident, Willing to Relocate anywhere in Europe, Remote/Hybrid

**PHONE**: +44 79900 52542

**EMAIL:**  prasade.uk@gmail.com

PROFILE

WORK EXPERIENCE

* 9 years of experience in the field of information technology primarily around Python (Pandas, NumPy, Asyncio, Flask)
* Proficient at developing, optimizing, extract, manipulate, analyze & interpret data from various data sources, developing analytic solutions and deriving key observations using Python.
* Experienced in data querying languages (SQL and MySQL), scripting languages (Python), No SQL (MongoDB) and machine learning libraries.
* Extensive experience in data analysis and/or reporting along with strong knowledge of database and related technologies.
* Developed ETL scripts using Python and Lava Storm (ETLTool).
* Expertise in reporting tools Tableau and Grafana.
* Experience in Elasticsearch, Kibana, Logstash and Kafka.
* Expertise in statistical methods, statistical analysis, data visualization, data mining, feature engineering and model selection techniques.
* Scheduling the reports Daily, Weekly and Monthly basis as per the Client Requirements.
* Served as a primary point of contact for workbook and custom Tableau reporting solutions related issues.
* Experienced in directly interacting with clients in taking requirements and delivering projects.
* Maintained adequate communication with project team, explaining the progress on the development effort.

***Python Developer - Tomgandhi Consulting Limited, UK***

**Roles and Responsibilities**

**Predix.io** is a platform which is holds all machineries data of current, historic and running statuses. It gives the current process, status of machines, details of manufacturing units and workflow.

**Environment**: Python, Pandas, Flask, Numpy, Git, API, SQL

* Writing effective, scalable code.
* Assembling large, complex sets of data that meet non-functional and functional business requirements.
* Developing back-end components to improve responsiveness and performance.
* Managing data storage and solutions for application robustness.
* Integration of RESTful API.
* Creating logics for data processing and computations.
* Combining raw information from different sources.

**Project Description**

***Data Engineer – Worley, Denmark***

**MAR 2021 – APR 2022**

* Responsible for analysis, development and integration of APIs.
* Implementing multi-processing, fire and forget for the services.
* Writing APIs to accept and upload the CSV files
* Read, write and updating the blobs in azure blob storage.
* Writing mathematical expressions in python.
* Implementation of server and backend side logics.
* Managing the schema, tablespaces and writing mathematical functions using pandas.
* Processing the high volumes of data into target database.
* Responsible for debugging the code and preparing the unit tests.
* Coordinating with front-end developers.
* Involved in the analysis, design, and development and testing phases of software
* development life cycle

**Offshore Wind form** is a cloud-based platform, associated with the installation of wind turbines and the connection of power grids. It will provide a comprehensive set of capabilities for the analysis and design of wind turbine sub-stations, mechanical loading, thermal resistances, and optimization techniques.

**Environment**: Python, Pandas, Asyncio, Flask, spark (PySpark), Numpy, Git, Azure Blob Storage, MYSQL

**Project Description**

**Roles and Responsibilities**

**APR 2022 – Present**

**Languages**

* Python

**Python Packages**

* Pandas
* Numpy
* PySpark
* Asyncio

**Web Frameworks**

* Flask
* Django
* Fast API

**Databases**

* SQL
* MySQL
* Postgres
* MongoDB

**ETL Tools**

* Lava Storm

**Visualization Tools**

* Tableau
* Grafana

**Clouds**

* Azure
* AWS

**Machine Learning**

* Linear Regression
* Logistic Regression
* KNN

SKILLS

**JUN 2018 – FEB 2021**

***Python Developer - Prieto Battery, UK***

**Smart Battery Management System** (SBMS) is a monitoring system for Industrial that runs algorithms to calculate the SoC (State of Charge), SoH (state of Health) and predicts the RUL (Remaining Useful Life) of batteries.

**Environment**: Python, Pandas, Flask, Numpy, Git, API, Spark (Pyspark), Grafana, MySQL, Elastic search, Kibana

* Data processing, cleansing, and pushing to target databases.
* Worked on physics-based algorithms to find SoC (State of Charge) for batteries.
* Worked on calculating the battery available energy, available capacity.
* Preparing the large-scale synthetic data from small scale of data and used to push to the database.
* Creating the users to access the respective tables in MySQL.
* Created the flask rest APIs on mongo DB for requests for web application.
* Created the flask rest APIs on mongo DB for requests for mobile application.
* Pushing the synthetic data of calculated predictions to ELK through python script.
* Pushing the synthetic data of calculated predictions to target tables through python script.
* Creating the indexes and data pushing to the Kibana through python.
* Maintaining and creating the Grafana visualizations for battery management data (database).
* Creating live dashboards using Grafana, for to monitor the algorithm predictions.
* Generated the synthetic data using random function of NumPy.
* Managed large datasets using Panda data frames and MySQL. And merging of multiple data fames.

**Project Description**

linkedin

www.linkedin.com/in/rametikala

**Roles and Responsibilities**

**JUL 2017 – JUN 2018**

**Project Description**

***Data Analyst – Telus, Canada***

* Creating and developing the reports using pandas (python).
* Applying business logics and transform the data into required format.
* Auto generation of reports as day, month, and year wise using Lava storm.
* Optimizing different lava storm graphs and tableau reports.
* Developed Tableau workbooks from multiple data sources using Data Blending.
* Developing python ETL scripts.
* Reporting the issues and resolve the issues that rise during the test process.
* Writing SQL codes in lava storm nodes to pull data from different servers.
* Automate & optimize the data extraction and report generation process.
* Loading the processed data into tables to generate the reports

**Intelligent Workload Distribution** (IWD) is a telecom back-end service application, which reports view of back-office activities and that provides a wide range routing all types of tasks such as no of orders, complaints etc.

**Environment**: Python, Pandas, Flask, API, Lava storm, Tableau, SQL

**Roles and Responsibilities**

EDUCATION

### Bachelor of Technology in Electronics & Communication Engineering

**OCT 2015 – MAR 2017**

***Analyst (Intern) – Skanska, Sweden***

The objective of the project is to develop a sales data mart and develop reports focusing on different areas of organization. First Phase is to develop an ETL application for the data mart and the second phase is to develop the reports for analysis. The reports are mainly useful for the Top-level management for reviewing performances of plants and to take strategic decisions.

**Environment**: Python, Pandas, Flask, API, Tableau, SQL

* Writing reusable, testable, and efficient code using python.
* Auto generation of reports as day, month, and year wise using python.
* Creating Tableau visualizations.
* Publishing Workbooks and Data Sources to Tableau Development.
* Establishing connections to Data Sources.
* Adding or Creating Dimensions, Measures and Calculations.
* Performing Data Modeling in Tableau Desktop.

Resource Placement System using python from long time and want to migrate the old legacy scripts to new/moderate python, as some packages are downgraded and enhancing scripts for application will help to streamline the process.

**Environment**: Python, Pandas

* Enhancing the legacy python scripts to new version.
* Collaborating with the team and gathering the requirement.
* Collate/collect data using the scripting language
* Work with product management and technology teams to understand business needs and find possible solution.
* Issues with tracking the data changes.
* Errors in workflow management.
* Worked closely with developers and business teams in resolution of technical resolutions.
* Implemented the automation scripts using python.
* Debugging and maintenance of automation scripts.

**Roles and Responsibilities**

**APR 2013 – SEPT 2015**

**Project Description**

**Roles and Responsibilities**

**Project Description**