

# SUDHEER

## Software Engineer

Skilled and efficient Python Developer having experience on creating unique and modern applications. Extremely motivated to constantly develop my skills and grow professionally. Armed with an extensive understanding of end-to-end SDLC. Expertise in Python- Django/PostgreSQL/SQLAlchemy/Live Deployment (Linux).



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## SKILLS

Python 3.x

Django 3.x

Tkinter

Flask

PostgreSQL 12

HTML 5

CSS3

BootStrap

JavaScript ES6

jQuery

React Js

Rest API

Jira

## LANGUAGES

English



Malayalam



Tamil



Hindi



## INTERESTS

Programming

Web Development

Martial Arts

Photography

## PROFESSIONAL SUMMARY

### Summary :

- Over **4+** years of IT Experience in design, development, testing, and implementation of various stand-alone and client-server architecture-based enterprise application software in **Python** on different domains.
- Strong expertise in developing web-based applications using **python, Django, HTML, CSS, Bootstrap, JavaScript, and jQuery**.
- Experience in front-end technologies like JavaScript and Angular Framework and basic knowledge in **React JS**.
- Good knowledge about setting up Python **REST Framework** using Django (**DRF**) and basic knowledge in micro frameworks like **Flask**.
- Good knowledge of relational databases like **MySQL** and **PostgreSQL**, database operations, and writing complex queries with inner queries and multiple tables joining to get desired output.
- Extensive experience in widget/GUI Development using **Tkinter**.
- Basic knowledge of security vulnerabilities and security scans using **OWASP ZAP**.
- Plan and execute appropriate testing (e.g.: Unit Test, SIT, Regression Test) to comprehensively test assigned enhancements to business applications.
- Experience in using version control systems like **Git** and **GitHub**.
- Strong background in disciplined **Agile** Software Development Life Cycle (**SDLC**) and has excellent analytical, programming, and problem-solving skills.
- Excellent Interpersonal and communication skills, efficient time management and organization skills, ability to handle multiple tasks, and work well in a team environment.

## WORK EXPERIENCE

### Collabera Technologies Pvt. Ltd.

#### Senior Software Engineer

09/2021 - Present,

Bengaluru, India

#### Roles and Responsibilities :

- Design, build, maintain, and extend data models within the **Varicent Incentive Compensation Management (ICM) platform for a client** (A Leading global bank based out of Australia).
- Experience in creating commission plans and commission payout structures using the ICM tool by building and executing complex calculations, and custom reports using **Composer, Scheduler, and Presenter reports**.
- Updated old code bases to modern development standards, improving functionality.
- Extensive experience in widget/GUI Development using **Python-Tkinter**.
- Conducted Unit, SIT, and Regression testing and documented test results and data in the Jira X-ray test repository and confluence page.
- Plan and execute appropriate testing (e.g. test plans, test cases, and test scripts) to comprehensively test assigned enhancements to business applications.
- Document test data and test cases in **Jira Xray Repository** and performed peer reviews on the teammate's work.
- Worked with project managers, Analysts, and quality assurance to resolve technical issues.

## WORK EXPERIENCE

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### YouGotaGift Pvt. Ltd.

#### Software Engineer

12/2020 - 09/2021,

*YouGotaGift.com is the leading digital Gift Card Company in the Middle East.*

*Roles and Responsibilities:*

*Calicut, Kerala, India*

- Designed and developed a standalone Django project from scratch. Handled development and management of front-end user interfaces with help of HTML, CSS, Bootstrap, and JavaScript.
- Integrated third-party services like **SendGrid V3 API**, **SendGrid Webhooks**, **Aws SES**, and **Aws S3**. Integrated **Pub/Sub** messaging and message queuing with **Kafka**.
- Integrated **OAuth 2** using Django OAuth Toolkit
- Customized Django Admin for a specific project, which includes the custom theme, forms, fields, and Two Factor Authentication.
- Used **Sonar Lint** for code inspection and optimization.
- Utilized **OWASP ZAP** for any security vulnerabilities.
- Good understanding of Django project architecture and implementation of **modular settings**.

### Travidux Technologies Pvt. Ltd

#### Software Developer

04/2019 - 11/2020,

*Thrissur, Kerala*

*Roles and Responsibilities:*

- Worked and contributed several ideas to projects like Point Of Sale ( **POS** ), Customer Relationship Management ( **CRM** ), and Human Resource Management ( **HRMS** ).
- Developed APIs with Django's **Rest API** using **Django's ORM**, **SQLAlchemy ORM**, **PostgreSQL**, execution of custom SQL directly using the connection and cursor, and being an active participant while working with Angular Developers and designers.
- Developed sales and stock reports and included export functions using **Numpy** and **Pandas** in python.
- Mentored junior developers to work independently.
- Good knowledge of **PostgreSQL** Database, database operations, and understating of creating normal views, materialized views and writing complex queries with inner queries and multiple tables joining to get desired output
- Experience with **Unix/Linux** command using SSH in developing Object-Oriented web applications.

## PROJECTS HIGHLIGHTS

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### BSDL TEST APPLICATION (11/2022 - 01/2023)

*Client Project (World's Largest manufacturer of microprocessors)*

- Designed and developed GUI applications using Python and Tkinter.
- Developed back-end components to improve the responsiveness and overall performance of the application.
- Integrated user-facing elements into the high-performant application.
- **Technologies: Python 3.7, Tkinter.**

### Asset Finance (09/2021 - 09/2022)

*Client Project (Leading global bank based out of Australia)*

- Design, build, maintain, and extend data models within Varicent Incentive Compensation Management (ICM) platform.
- Developed python scripts for file management and managing ICM components using API.
- Developed SQL query for ICM calculation and other internal processes.
- Updated old code bases to modern development standards, improving functionality.
- Created Reports, Scheduler items, commission plans, and Email notifications using **Composer**, **Scheduler**, and **Presenter reports**.
- Created **Macros** for Business Development.
- **Technologies: Varicent Incentive Compensation Management (ICM), Python 3.7, Microsoft SQL Server.**

## PROJECTS HIGHLIGHTS

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### Mail Engine (01/2020- 04/2021)

- Mail Engine is a stand-alone email service project which uses different email delivery platforms like **Sendgrid V3 API** and **Aws SES**. The template stored in Mail Engine will be rendered and processed with request data and later send to the recipient.
- Encrypted request data will be published to Kafka topic, later it will be consumed by Mail Engine. The data will be decrypted and the request will be processed by rendering a mail template with template data and template code inside the request data.
- Developed custom templates using DTL with help of HTML, CSS, Bootstrap, and JavaScript.
- **Technologies : Python 3.8, Django 3.2, PostgreSQL 12, Kafka**

### Point of Sale (POS) (08/2019 - 11/2020)

- Provides all sales-related operations along with sales reports. Management of stocks, customer-related activities, and connectivity with any accounting software are the added advantages of this project.
- Developed custom **Daily Sales Report**, **Stock Report** based on date, **Stock Transfer History** based on internal branch and warehouse transfer data in POS project which is highly useful for stock management and monitoring the sales data using Python, Django ORM, and PostgreSQL.
- Manage datasets using Panda data frames and PostgreSQL, queried PostgreSQL database queries from python using Python-PostgreSQL connector (psycopg2) to retrieve information.
- **Technologies : Python(Django), Angular 8, PostgreSQL9.5**

### Bi-Suite (04/2019 - 11/2020)

- Business intelligence suite which helps the customer to evaluate their business with many reports in lots of aspects. It totally depends on the sales of the entrepreneurship. In addition to that project holds different modules to pull out the exact results of client support to provide their expenses, stock, and concern activities.
- Provides target-oriented sales and accomplishment rewards modules. Developed several stock-based reports.
- Fixed major bugs and optimized them for high performance.
- **Technologies: Python(Django), Angular 4, PostgreSQL9.5.**

### Human Resource Management System (HRMS) (08/2019 - 01/2020)

- Automate HR Functions from attendance to payroll and recruitment to retirement. It helps to manage employee information and organizational data.
- Developed employee Shift Management module which allows us to allocate multiple shifts to multiple employees in a week.
- Created automated python script - Less hours Policy which calculates the minute-based attendance shortage time and later processes it with monthly salary processing.
- **Technologies: Python(Django), Angular 8, PostgreSQL9.5.**

### Job Portal (11/2019 - 03/2020)

- Job Portal software can help job seekers to find current job openings and upload details. The Job portal project is integrated with HRMS Project where the job description and interview processes are added.
- Developed and designed database schema from scratch and integrated it with the HRMS project.
- **Technologies: Python(Django), Angular 8, PostgreSQL9.5.**

## EDUCATION

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### B.E COMPUTER SCIENCE AND ENGINEERING

R.V.S College Of Engineering And Technology, Coimbatore, TamilNadu

06/2014 - 08/2018,

6.0 CGPA

## CERTIFICATES

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Python Programming, Naresh IT -Hyderabad

## ACHIEVEMENTS

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**Won certificate for completion of CTEST conducted remotely from IIT Bombay.**

*The test consists of finding the error in the code (C language) and predicting the output. I used my ability to find the errors and fix the code to get the required output.*