

K. SUKUMAR BABU

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PROFESSIONAL SUMMARY:

- IT professional with 5 years of experience as a Web Application Developer and coding using Python, , flask.
- Experienced with flask, a high-level Python Web framework.
- Experienced with architecting scalable platforms, object-oriented programming, database design and agile methodologies.
- Experience in working on Application Development Environments like PyCharm, Visual Studio Code.
- Experience configuring and developing with different Database servers including MySQL, Postgre SQL.
- Highly motivated, dedicated, quick learner and have proven ability to build and manage a team and work individually.
- Strong Knowledge of web application security and access control.
- Have Knowledge of Amazon Web Services (AWS) EC2 and AWS S3.
- Experience with Web Development, Web Services, Python and the Flask framework.
- Excellent debugging, problem solving, optimization and testing skills.
- I have good experience with microservices.

TECHNICAL SKILLS:

Programming Languages	Python, Flask, Rest api.
IDE	Eclipse, Sublime Text, Brackets, PyCharm, Visual Studio Code.
Databases	MySQL, SQLite,
Operating Systems	Windows, Linux, Mac OS
Other Tools	JIRA, Git, Bitbucket, Docker

EDUCATION:

- Completed B. Tech Information Technology from Jawaharlal Nehru Technological University.

PROFESSIONAL EXPERIENCE:

- Working as a Software Engineer in **Zexal Technologies** Bangalore from March 2019 – May 2023
- Working as a Software Engineer in Wipro Technologies Bangalore from May 2023 to still date

PROJECTS:

Project Description:

Client: Mayo Clinic Expert Care, USA
ProjectName: **Inventory Management**

Environment: Python, Django, MySQL, PyCharm, RESTful, GIT and Jira

Project Description:

Mayo Clinic is a multi-specialty hospital with many patients visiting the hospital every day. This hospital provides treatment for various diseases. The hospital also provides outpatient services and surgical consultations. Maintaining the doctors Information and availability timings, patient's information, Administrators check all information it is so difficult for them. The hospital administration wishes to have a Hospital Management System that is easy to navigate and can be accessed online. The Hospital Management System must be accessible to doctors, hospital administrators and patients. The structure and navigation of the Hospital Management System needs to be simple and user friendly, with multiple departments and information running into hundreds of pages, the Hospital felt It was critical for the information to be organized

systematically, that's why this project developed.

Roles & Responsibilities:

- Design and maintain databases using Python and developed Python-based API (**RESTful Web Service**) using **Flask** and **PostgreSQL**
- Implemented business logic using Python/Flask.
- Utilized Python libraries such as NumPy, pandas and matplotlib to read data from csv files aggregate and update data.
- Wrote and executed various MYSQL database queries from Python using Python-MYSQL connector and MySQL dB package.
- Developed and tested many features for dashboard
- Used Python IDE PyCharm for developing the code and performing unit test.
- Develop entire frontend and backend modules using Python on Django Web Framework.
- Created most important Business Rules, which are useful for the scope of project, and needs of customers.

Project Description:

Kaiser -This project deals with the Insurance business for US Customers. The Insurance project deals with Health Insurance Business Lines. There are two applications, Agent, and Underwriter where Agent quotes the policy and the underwriter reviews it, and in turn Agent issues the policy. This application mainly focuses on Insurance for state policy customers, and it involved 6 transactions like New Submission, Rewrite, Renewal, Policy Change, Reinstatement, and Cancellation.

Roles & Responsibilities:

- Supporting users on issues via tickets and documenting all issues/incidents on a day-to-day basis.
- Developed and evaluated technology alternatives for resolving customer business problems.
- Developed various features to meet the client requirements for modules such as BG, which is the core module of the product, which included gathering, analyzing, and evaluating data to reach viable conclusions.
- Task ownership throughout requirements software design, development, testing and release.
- Demonstrated ability to troubleshoot the most difficult technical issues using debugging techniques.
- Involved in Developing a Restful API'S service using Python Flask framework.
- Developed a web application to check the status of servers using python and flask
- Instrumented and modified unit and integration tests to improve software quality and reliability.
- Drafted detailed design objectives and developed architectural and system design documents.
- Worked with QA testers for end-to-end unit testing and post-production testing in a collaborative team environment.