

Sirpa Vasuki Ravichandran

Senior Software Engineer

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SKILLS

- 10+ years in **Software Engineering** experience
- 5+ years experience developing back-end application on **Python**
- 5+ years experience in relational databases like **MySQL**
- 5+ years of developing front end applications development experience with **React**, and **Typescript**.
- Experience in working on **MongoDB** NoSQL database
- 3+ years experience in **AWS** and **Azure** cloud Infrastructure with **Server less functions**, Web Apps, and deploying the application using **Docker**.
- Experience in deploying **containerized** applications in **Docker-Kubernetes** through **Jenkins CICD** with **Git** as repository manager.
- 5+ years of developing front end applications with **React**, and **Typescript**.
- 3+ years of experience in implementing **MVC**, **MVT** architecture and creating **REST API** using **JSON**.
- 3+ years of experience in working with **Java** and **Spring** framework.
- Experienced in writing **Unit Tests** using **pytest**, **Junit**.

TOOLS & TECHNOLOGIES

EXPERIENCE

AT&T, Remote - Software Engineer.

March 2022 - PRESENT

- Developed a web application in React, Typescript, NodeJS, Python, HTML, JavaScript, CSS. The application is to automate the process of events flowing through various monitoring tools, process the data to create triggers or notifications and also create groups from the data and map them to specific use case.
- Experienced in Redux to manage the state of the application and implement front end features for dynamic web pages.
- Designed an email alert system to outlook and integrated to the backend.
- Developed REST API with swagger for CRUD operations.
- Experience releasing product features to production environment, coding design and documentation.
- Worked on backend queries with PostgreSQL (Object relational mapping) and maintained the database for production and internal testing.
- Experience in using SQLAlchemy to integrate the database tables in the backend.
- Used git to integrate the code with Github and vscode for version control.
- Experience working with on Prem server to manage Airflow DAG, mailhog server, and deploy it successfully.
- Hands on experience working on App Service, and deployment in Azure.
- Developed a Web Api in Azure App service for third party access with authentication in place.
- Worked with logging features of Azure App Service to debug production level code.

Roswell Biotechnologies, San Diego- Software Engineer

Sep 2021 - March 2022

- Developed an application using Django, Python framework, with PostgreSQL as DB, establishing Authorization and Authentication for users to the portal.
- Solid implementation of MVT structure in the application.
- Worked on creating RESTful API for the platform with Swagger to manage the Api's.
- Implemented CI/CD pipeline and used git to manage code version.
- Created Index in PostgreSQL database.
- Optimized performance for existing platform - cleaned up database for faster execution.

City Union Bank- Software developer

June 2014 - June 2018

- Developed web-based application using Java for a banking company. This platform provides a view of all KYC details of customers associated with the bank and shows their related products. This also has customer queries and is directed to the respective department, to resolve the issue.
- Created forms and dynamic web pages.
- Developed MVC structure with javascript and used Spring and session based beans for the workflow.
- Improved internal features for the net banking facility in the backend.
- Involved in requirements design, development, and testing like JUnit.
- Actively lead team discussion around code reviews, testing, and production release.

- Improved development productivity by 60% (across the team) by automating report generation features from data sheets and integrated with existing tools.
- Maintained code repository for version control to increase workflow efficiency via Git.

EDUCATION

University Of Arlington, Texas - M.S - Computer Science **Aug 2019 - May 2021**
Course Work: Design and Analysis of Algorithms, Advanced software engineering, Cloud computing.

Sastra University, India - B. Tech - Computer Science **Aug 2010 - June 2014**
Course Work: Data structures, Object Oriented programming, Data Structures and Algorithms