Tejas Ruikar

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Senior Software Engineer

Summary: Innovative Senior Software Engineer with hands-on expertise in designing scalable, distributed ML-driven systems and full-stack applications. Proven track record of delivering impactful solutions across fintech, SaaS, AI automation, and voice technology domains. Experienced in bridging the gap between backend performance optimization and user-centric front-end design, with a passion for building resilient, cloud-native architectures and automation platforms.

Education

Arizona State University, Tempe, Arizona **August 2018 - May 2020**

Master's in Computer Science

Courses:, Statistical Machine Learning, Data Mining, Data Visualisation, Distributed and Parallel Data Systems, Distributed Multiprocessor Operating Systems

College of Engineering Pune, Pune, India (COEP) **August 2012 - May 2016**

Bachelor's in Computer Science and Information Technology

Relevant Courses: Cloud and Big Data, Storage and Virtualization, System Programming and Operating Systems.

Skills:

Languages: Python, Java, C#, C++, JavaScript, TypeScript

Frameworks & Libraries: Django, Flask, FastAPI, Spring Boot, React.js, Node.js, MEAN Stack

Databases: PostgreSQL, MySQL, MongoDB

Cloud & DevOps: AWS, Docker, Kubernetes, CI/CD (GitHub Actions), REST APIs, Microservices

Core Competencies: Distributed Systems, AI Integration, Data-Driven Architecture, Workflow Automation, API Performance Optimization

Professional Experience

Senior Software Engineer **Avoma Inc, Pune** **November 2023- August 2025**

Workflow Collaboration - Core and Infra Teams

- Spearheaded the development of a dynamic CRM-based filtering engine enabling real-time query generation over meeting datasets integrated with Deals, Leads, and Company metadata.
- Designed and deployed the Avoma Automation Framework empowering end-users to orchestrate meeting lifecycle workflows with event-based triggers.
- Engineered backend performance optimizations reducing API latency and improving throughput by 30%..

Specialist Software Engineer **Societe Generale, Bangalore** **August 2022 - November 2023**

Innovation- Data Science and AI team

- Architected a Document Intelligence Platform leveraging OCR, NLP, and ML pipelines to digitize KYC and compliance workflows.
- Designed and implemented a cloud-deployed, event-driven distributed system ensuring zero downtime.

Software Engineer **Aumtech, New Jersey** **Sept 2020 - Sept 2022**

Analytics Dashboard:

- Lead a team of two in developing Analytics Dashboard for Visual IVR applications.
- Developed a FullStack Analytics dashboard in React and DjangoRestFramework.
- Created a platform for developers to reuse graph components built in D3.js

SDE Intern **Amazon, Seattle, Washington** **May 2019- August 2019**

FOSUI

- Developed a full-stack project from scratch for the next generation Fulfillment Operating System at Amazon.
- The project was completed using ReactJs for frontend and Java Spring server at backend to fetch and post the data towards FOS in order to manage fulfillment resources.

Technology Analyst **Credit Suisse, Pune** **August 2016- July 2018**

Successfully completed Technology Analyst program.

MiFID II ShortCode-LongCode delivery

- Implemented a Java-Spring architecture that fetches data from multiple data sources with over 10^7 entries, normalizes them and makes data in exchange specific formats (CSV, XML etc) and delivers them via SFTP, REST or APIs given by exchanges, gets the response and persists it in the database. MiFID II was a mandatory regulation

Global Order Management System (GOMAN)

- GOMAN is a software that is extensively used in Credit-Suisse for high volume trading across the globe. Worked in the development team for GOMAN where there were daily requirements and bi-weekly deployments. GOMAN architecture is in .Net C# and MySQL database.

Publication

Cluster Based Hierarchical Addressing for Dynamic Source Routing in Ad-Hoc Networks Springers 2016

- The paper proposes an algorithm that divides a WANET into a tree and assigns hierarchical addresses which results in flood reduction and finding one direct route to the destination node increasing the efficiency and reducing the power consumption of every node. It demonstrated a reduction in flooding by 79%..