Sumit Rodrigues

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EDUCATION

California State University, Fullerton — Fullerton, CA
Master of Science, Computer Science (GPA 3.8/4.0) — *August 2023 - Present*
Relevant Courses: Advanced Algorithms, Advanced Blockchain , Cloud Computing, Advanced Database Systems

University of Mumbai, India — Mumbai, IN
Bachelor of Engineering, Computer Science (GPA 3.25/4.0) — *August 2017 - May 2021*
Relevant Courses: Operating Systems, Artificial Intelligence, Data structures, Object-oriented programming

PROFESSIONAL EXPERIENCE

Web Developer Student Assistant — August 2023 – Present
California State University - College of Communication — *Fullerton, CA*
- Created **full-stack web applications** using **Java** and **Spring Boot**, enhancing system scalability and responsiveness, resulting in faster data processing and a smoother user experience
- Developed dynamic, responsive single page applications using **React and Node.js**, enhancing **UX** across desktop and mobile devices for College of Communications
- Converted **Figma designs** into reusable, interactive **React** components for TUSK Magazine, improving **UI** consistency and development speed by **25%**

Software Engineer — September 2021 – July 2023
BNP Paribas (Bank of the West & BMO) — *Mumbai, IN*
- Led end-to-end development for fintech projects, including KYC Scoring and KYC Self-Service Tool, using **Java and Spring Boot**, delivering projects **two weeks ahead of schedule**
- Designed a dashboard in **React.js** and **TypeScript** used to track service requests, hosted on **AWS EC2**; implemented **state container** using **Redux** to centralize application state resulting in **10%** faster loading time
- Developed containerized **microservices** using **Spring Boot** and **Node.js**, deployed on **Kubernetes**, improving API scalability and reducing downtime
- Built micro-frontend-based internal **React applications**, utilizing **Redux Toolkit** with **RTK Query** for state management, reducing frontend latency **from 1.2s to 800ms**
- Implemented full-stack observability using **Datadog** with custom log parsers and distributed tracing, reducing incident resolution time by **60%**, ensuring **customers experience minimal service disruptions**

Software Engineer Intern — May 2020 – July 2020
TechHighway Systems Pvt. Ltd. — *Pune, IN*
- Built a **high-performance e-commerce platform** using **React.js, and Typescript**, deployed on **AWS EC2**, leading to a **20% increase in conversion rates** by optimizing UI responsiveness and backend efficiency
- Implemented database persistence layers using **Hibernate** for **Java applications** and **TypeORM for Node.js microservices**
- Configured and optimized **Apache Tomcat servers** to deploy **Java-based microservices**, improving **API response time by 43%** for high-traffic requests

PROJECTS

Inventory Prediction System | *Python, Machine Learning, SQL, Vue.js, Nest.js, AWS* — May 2024 – July 2024
- Developed an AI-powered inventory prediction dashboard with **Vue.js** for real-time demand forecasting, reducing fleet costs by 35% and stockouts by 20%
- Integrated secure APIs with **Nest.js** and **MySQL**, ensuring data consistency and real-time updates

Evergreen Bank | *NextJS, TypeScript, React, Tailwind CSS, Chart.js, NPM, Vercel* — May 2024 – July 2024
- Built a **financial dashboard** with real-time bank data using **Plaid** and **Chart.js** for visualizations
- Applied **React Hook Form + Zod** for robust form handling and data validation, ensuring high data integrity

Real Estate Marketplace App | *React Native, TypeScript, Vercel, Appwrite* — Jan 2024 – May 2024
- Created a **full-stack real estate app** with responsive mobile UI and real-time property listings, leveraging **React Native** and **TypeScript**
- Integrated centralized data fetching and Google Authentication, reducing load times and improving security

SKILLS

Languages and Frameworks: JavaScript, TypeScript, React.js, Node.js, Nest.js, React Native, Redux, Tailwind CSS, Java, Python, C++, MySQL.
Cloud Technologies: Azure, Google Cloud, AWS (Sagemaker, EC2, Lambda, S3).
Software and Tools: JIRA, Vite, Webpack, Storybook, Postman, GitHub, Bitbucket, Google Analytics, MongoDB.
Certifications: Oracle Cloud Infrastructure Generative AI Professional