

# Sumit Rodrigues

+1562-549-9508 | Los Angeles, CA | [sumitrod11@gmail.com](mailto:sumitrod11@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## 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

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

## WORK EXPERIENCE

### Software Engineer Student Assistant

August 2023 – Present

California State University - College of Communication

Fullerton, CA

- Created **full-stack applications** using **Java and Spring Boot**, enhancing system scalability and responsiveness, resulting in faster data processing and a smoother user experience
- Developed and optimized **microservices-based applications** using **Java, Spring Boot, and SQL**, reducing **system latency by 25%** and improving **response times for mission-critical services**
- Leveraged **Linux/Unix commands** for updating, exploring, and troubleshooting the speech clinic server, effectively enhancing system performance and ensuring **99% uptime** for critical services
- Migrated virtual desktops from **on-prem systems to AWS AppStream 2.0**, leveraging **serverless architecture**, reducing **downtime by 65%** while enhancing remote accessibility

### Software Engineer

September 2021 – July 2023

BNP Paribas (Bank of the West & BMO)

Mumbai, IN

- Led full-stack development for fintech applications, including KYC Scoring and Self-Service Tool, using **Java and Spring Boot**, delivering projects **2 weeks ahead of schedule**
- Developed backend **microservices** using **Spring Boot**, employing **Java Executor Service** and **parallel processing pipelines** to enhance request handling throughput by 40%
- 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
- Collaborated with mobile teams to adapt React components into **React Native** components, ensuring consistent functionality and UI across platforms
- Reduced time for generating reports for FED by **7%** by charting transactional data & liquidity assets into a **report-generating tool (Triton)** developed using **PostgreSQL**
- Automated **CI/CD pipelines** with **Jenkins, Docker, and Kubernetes**, cutting deployment time from **4 hours to 20 minutes**, ensuring zero downtime during releases

### Software Engineer Intern

May 2020 – July 2020

TechHighway Systems Pvt. Ltd.

Pune, IN

- Built a high-performance **e-commerce storefront** using **Java and Spring Boot**, hosted on **AWS EC2**, leading to a **20%** increase in conversion rates due to improved user experience
- Built **interactive sales dashboards** using **React** and **D3.js**, enabling real-time visualization of revenue, product performance, and customer trends
- Integrated **Spring Security** with **JWT-based authentication**, ensuring secure user sessions and protecting sensitive transaction data

## PROJECTS

### Inventory Prediction System | Python, Machine Learning, SQL, VueJS, 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:** Java, Python, C++, JavaScript, TypeScript, Spring Boot, React.js, Node.js, Nest.js, MongoDB, React Native, Redux, Tailwind CSS, SQL, MySQL, Selenium(Maven).

**DevOps and CI/CD Tools:** Hadoop, Apache Spark, Cassandra, Kubernetes, Docker, Git, Linux, Jenkins.

**Cloud Technologies:** Azure, Google Cloud, AWS (Sagemaker, EC2, Lambda, S3).

**Software and Tools:** JIRA, Confluence, Vite, Webpack, Storybook, Postman, GitHub, Bitbucket, Google Analytics.

**Certifications:** Oracle Cloud Infrastructure Generative AI Professional