

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

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

Software Developer Student Assistant

August 2023 – Present

California State University - College of Communication

Fullerton, CA

- Created **full-stack applications** using **HTML5**, **CSS3** and **JavaScript** hosted on **AWS EC2** enhancing system scalability and responsiveness, resulting in faster data processing and a smoother user experience
- Developed and deployed **microservices-based APIs** using **Java**, **Spring Boot**, and **Hibernate**, reducing latency by 25% and ensuring seamless integration with university systems
- Migrated **virtual desktops** from **on-prem systems** to **AWS AppStream 2.0**, utilizing **serverless architecture**, leading to **65% less downtime** and enhanced remote accessibility

Software Engineer

September 2021 – July 2023

BNP Paribas (Bank of the West & BMO)

Mumbai, IN

- Led full-stack development for **fintech projects**, including **KYC Scoring** and **KYC Self-Service Tool**, using **Java**, **Spring Boot**, and **Hibernate**, delivering projects **two weeks ahead of schedule**
- Designed a dashboard in **React.js** and **JavaScript** used to track service requests, hosted on **AWS EC2**; implemented **state container using Redux** to centralize application state resulting in **10% faster loading time**
- Enhanced component performance through **React.memo** and **lazy loading**, achieving a **25% improvement in UI responsiveness** on large datasets
- Developed containerized **microservices** using **Spring Boot** and **Node.js**, deployed on **Kubernetes**, improving API scalability and reducing downtime
- Implemented responsive **UI testing** and cross-browser compatibility debugging for **React.js** applications using **Jest** and **Cypress**, ensuring consistent rendering across Chrome, Firefox, and Safari
- Transitioned **legacy RESTful APIs** to **GraphQL**, reducing redundant data calls by **85%** and improving backend data retrieval efficiency for user accounts and transactions

Software Engineer Intern

May 2020 – July 2020

TechHighway Systems Pvt. Ltd.

Pune, IN

- Built a **high-performance e-commerce platform** using **Java**, **Spring Boot**, and **React.js**, deployed on **AWS EC2**, leading to a **20% increase in conversion rates** by optimizing UI responsiveness and backend efficiency
- Developed an interactive **data visualization dashboard** for a UK-based **e-commerce store**, utilizing **React** and **D3.js**, enhancing the client's ability to match candidates with job opportunities efficiently
- 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, VueJS, Nest.js, AWS

May 2024 – July 2024

- Engineered an **AI-powered** Inventory Prediction System using **XGBoost**, **Pandas**, and **Scikit-learn**, integrating a secure **MySQL** database, **NestJS** back-end APIs, and a **Vue.js** front-end, resulting in a **35% reduction in fleet costs**, **20% fewer stockouts**, and improved inventory management across retail stores

Evergreen Bank | NextJS, TypeScript, React, Tailwind CSS, Chart.js, NPM, Vercel

May 2024 – July 2024

- Created Evergreen, a **full stack** financial **SaaS** platform with **NextJS**, **TypeScript**, incorporating **Plaid** for real-time bank linking and **Dwolla** for secure transfers, featuring real-time updates, and detailed transaction history
- Built robust data visualizations with **Chart.js** and streamlined form handling with **React Hook Form** and **Zod**, ensuring efficient data processing and enhanced user experience

Real Estate Marketplace App | React Native, TypeScript, Vercel, Appwrite

Jan 2024 – May 2024

- Developed a **full-stack real estate application** using **React Native**, **TypeScript**, **Expo SDK 52**, and **Appwrite**, featuring **Google authentication**, **dynamic property listings**, and **user profiles** for a seamless user experience
- Engineered **custom centralized data fetching** to **reduce API load** and **improve response times**, enabling **faster property searches**, solving real-life challenges in real estate browsing and management

SKILLS

Languages and Frameworks: Java, Python, C++, Spring Boot, JavaScript, TypeScript, React.js, Node.js, Nest.js, MongoDB, React Native, Redux, Tailwind CSS, SQL, MySQL, PostgreSQL, 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, Vite, Webpack, PHPStorm, Storybook, Postman, GitHub, Bitbucket, Google Analytics.

Certifications: [Oracle Cloud Infrastructure Generative AI Professional](#)