

Sumit Rodrigues

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EDUCATION

California State University, Fullerton

Master of Science, Computer Science (GPA 3.8/4.0)

Fullerton, CA

August 2023 - Present

Relevant Courses: Advanced Algorithms, Advanced Blockchain, Cloud Computing, Advanced Database Systems

University of Mumbai, India

Bachelor of Engineering, Computer Science (GPA 3.25/4.0)

Mumbai, IN

August 2017 - May 2021

Relevant Courses: Operating Systems, Artificial Intelligence, Data structures, Object-oriented programming

PROFESSIONAL EXPERIENCE

Web Developer Student Assistant

California State University - College of Communication

August 2023 – Present

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
- Converted **Figma designs** into reusable, interactive **React** components for TUSK Magazine, improving **UI** consistency and development speed by **25%**
- Optimized **HTML5 video embedding** techniques, providing a smoother playback experience and a **43% cut** in video buffering complaints

Software Engineer

BNP Paribas (Bank of the West & BMO)

September 2021 – July 2023

Mumbai, IN

- Architected product tours with **React** for a new feature that improved customer adoption by **22%**, leading to **\$1.1M** in incremental revenue
- Migrated a multi-page user experience into a single-page app which improved customer engagement by **8% using React**
- 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
- Implemented error handling and logging mechanisms for **GraphQL** operations, boosting application stability and cutting down runtime errors by **29%**
- Built micro-frontend-based internal **React applications**, utilizing **Redux Toolkit** with **RTK Query** for state management, reducing frontend latency **from 1.2s to 800ms**
- Set up a testing framework for team project using **Mocha and Chai** to test the **Node API**, which decreased the number of bugs predeployment by over **70%**

Software Engineer Intern

TechHighway Systems Pvt. Ltd.

May 2020 – July 2020

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
- Developed an interactive data visualization dashboard for a UK-based e-commerce store, utilizing **React** and **D3.js** to provide **real-time sales insights**, enabling better inventory management and customer behavior analysis
- Ensured **cross-browser compatibility** for all web applications, leading to a **28% uplift** in traffic from diverse browsers

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](#)