

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

- Developed dynamic, responsive web applications using **React.js**, **TypeScript**, and **Java**, 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%**
- Integrated **RESTful APIs** with real-time data fetching, caching, and error handling for seamless user interactions for students and faculty

Software Engineer

BNP Paribas (Bank of the West & BMO)

September 2021 – July 2023

Mumbai, IN

- Engineered isomorphic single-page KYC applications using **React.js**, **TypeScript**, and **Java**, improving SEO and page load speeds by 50% with **Next.js**
- Built micro-frontend-based internal **React applications**, utilizing **Redux Toolkit** with **RTK Query** for state management, reducing frontend latency **from 1.2s to 800ms**
- Optimized JavaScript execution pipeline using **Webpack's code splitting**, **Babel transpilation**, and **Tree Shaking**, reducing frontend compilation time by **50%** for high-traffic KYC applications
- Implemented full-stack observability using **Datadog** with custom **log parsers**, and **distributed request tracing**, reducing incident resolution times by **60%** to diagnose performance bottlenecks and API failures in production
- 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

TechHighway Systems Pvt. Ltd.

May 2020 – July 2020

Pune, IN

- Developed a React-based **e-commerce platform** with **React.js**, **TypeScript** and **Java**, featuring dynamic product filters, cart management, and checkout flows
- Built a scalable UI component library using **Storybook**, streamlining frontend development and ensuring design consistency across 10+ enterprise applications, reducing UI defects by **40%**
- Integrated **WebSockets** for real-time API communication, cutting network congestion and latency by **45%**

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: 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