

# Sumit Rodrigues

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## PROFESSIONAL EXPERIENCE

### Web Developer Student Assistant

August 2023 – Present

California State University - College of Communication

Fullerton, California

- Created full-stack web applications using **HTML5**, **CSS3** and **Javascript**, 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%**
- Styled and optimized UI components using **Tailwind CSS** and **Material UI**, ensuring a **consistent, responsive, and visually appealing** design across all screen sizes
- Utilized **RESTful APIs** with real-time data fetching, caching, and error handling for seamless user interactions for students and faculty

### Software Engineer

September 2021 – July 2023

BNP Paribas (Bank of the West & BMO)

Mumbai, India

- Migrated a multi-page user experience into a single-page app which improved customer engagement by **80% using React**
- Designed and implemented a real-time dashboard using **React.js**, **TailwindCSS**, and **D3.js**, enabling financial analysts to visualize large datasets efficiently
- Integrated **React-based frontend** with **Java Spring Boot** microservices using **RESTful APIs** and **WebSockets**, ensuring real-time data synchronization, improving API response efficiency by **40%**
- 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
- Automated **CI/CD pipelines** with **Jenkins**, **Docker**, and **Kubernetes** and **Git** for **Version Control**, 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, India

- Built a high-performance e-commerce platform using **React.js**, **Typescript**, and **TailwindCSS**, deployed on **AWS EC2**, leading to a **20% increase in conversion rates** by optimizing UI responsiveness and backend efficiency
- Enhanced application performance with **memoization (React.memo, useMemo, useCallback)** and **virtualized rendering**, reducing re-renders and boosting UI efficiency
- Managed **back-end** in **Java** for data-intensive **e-commerce** systems, improving performance and scalability during peak traffic periods, decreasing **server processing times** by **25%**

## 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

## 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

## SKILLS

**Languages and Frameworks:** JavaScript, TypeScript, React.js, Node.js, Nest.js, React Native, Redux, TailwindCSS, 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