

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%**
- Integrated **TitanGPT** (ChatGPT-4o) as a **chatbot** feature on the Communications website, enabling students and professors to quickly navigate resources, find relevant information instantly, reducing navigation confusion
- 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

- Led development for **fintech** applications, including KYC Scoring and Self-Service tools, using **Java**, **Javascript**, and **MySQL** reducing average page load times for **1M+** users
- Designed and implemented a real-time dashboard using **React.js**, **TypeScript**, and **D3.js**, enabling financial analysts to visualize large datasets efficiently
- Implemented and designed **Java Spring Boot microservices** for **React-based applications** using **RESTful APIs** and **WebSockets**, ensuring real-time data synchronization, improving API response efficiency by **40%**
- 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%**
- 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 storefront using **React**, **JavaScript**, and **Node.js**, hosted on **AWS EC2**, leading to a **20% increase in conversion rates**
- 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
- Enhanced application performance with **memoization** (**React.memo**, **useMemo**, **useCallback**) and **virtualized rendering**, reducing re-renders and boosting UI efficiency

PROJECTS

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