

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

- Built responsive web applications using **React.js**, **TypeScript**, and **Java**, ensuring smooth user experiences across desktop and mobile devices
- Translated **Figma designs** into interactive, reusable **React components**, improving development speed and visual consistency across projects
- Collaborated with backend teams to **integrate REST APIs**, handling **data fetching**, **error management**, and **dynamic rendering** on the frontend

Software Engineer

BNP Paribas (Bank of the West & BMO)

September 2021 – July 2023

Mumbai, IN

- Developed isomorphic **single-page applications** using **Java**, **React.js** & **TypeScript**, leveraging **server-side rendering** with **Next.js** to improve SEO and first contentful paint by **50%**
- Developed a micro frontend-based **React** application, utilizing **Redux Toolkit with RTK Query** for state management and **GraphQL Apollo Client for API caching**, 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 university 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

Frontend 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
- Implemented database persistence layers using **Hibernate for Java applications** and **TypeORM for Node.js microservices**
- Implemented **API caching and server-side optimizations**, reducing database load by 45% and improving overall **page responsiveness for high-traffic users**

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](#)