

Sumit Rodrigues

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EDUCATION

California State University, Fullerton

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

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

Fullerton, CA

August 2023 - Present

University of Mumbai, India

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

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

Mumbai, IN

August 2017 - May 2021

PROFESSIONAL EXPERIENCE

Web Developer Student Assistant

California State University - College of Communication

August 2023 – Present

Fullerton, CA

- Created full-stack applications using **HTML5**, **CSS3** and **JavaScript** hosted on **AWS EC2** enhancing system scalability and responsiveness, resulting in faster data processing and a smoother user experience
- Transformed UI/UX design concepts into functional code for the TUSK magazine website of our department, improving page load speed by **6 seconds** through efficient implementation using **React.js**
- Migrated virtual desktops from on-prem systems to **AWS AppStream 2.0**, utilizing serverless architecture, leading to **65%** less downtime and enhanced remote accessibility

Software Engineer

BNP Paribas (Bank of the West & BMO)

September 2021 – July 2023

Mumbai, IN

- Led end-to-end development for fintech projects, including KYC Scoring and KYC Self-Service Tool, using **Java**, **Typescript**, and **MongoDB**, delivering projects **two weeks ahead of schedule**
- Designed a dashboard in **React.js** and **JavaScript** used to track service requests, hosted on **AWS EC2**; implemented **state container** using **Redux** to centralize application state resulting in **10%** faster loading time
- Optimized component performance through **React.memo** and **lazy loading**, achieving a **25%** improvement in UI responsiveness on large datasets
- Implemented **frontend caching strategies** using **React Query** and **Redis**, reducing redundant API calls and enhancing data retrieval speed for frequently accessed financial reports
- Integrated **Storybook** for component-driven UI development, enabling visual **regression testing** and streamlining frontend consistency across multiple financial dashboards
- 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

- Improved state management with **Redux** and **JavaScript ES6 async/await**, optimizing **frontend API calls** and reducing client-side rendering delays
- 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
- Integrated **AWS Lambda**, **SQS**, and **SNS** to enable **real-time notifications** for order tracking and inventory updates, improving system reliability

PROJECTS

Inventory Prediction System | Python, Machine Learning, SQL, VueJS, Nest.js, AWS

May 2024 – July 2024

- Engineered an **AI-powered** Inventory Prediction System using **XGBoost**, **Pandas**, and **Scikit-learn**, integrating a secure **MySQL** database, **NestJS** back-end APIs, and a **Vue.js** front-end, resulting in a **35%** reduction in fleet costs, **20%** fewer stockouts, and improved inventory management across retail stores

Evergreen Bank | NextJS, TypeScript, React, Tailwind CSS, Chart.js, NPM, Vercel

May 2024 – July 2024

- Created Evergreen, a **full stack** financial **SaaS** platform with **NextJS**, **TypeScript**, incorporating **Plaid** for real-time bank linking and **Dwolla** for secure transfers, featuring real-time updates, and detailed transaction history
- Built robust data visualizations with **Chart.js** and streamlined form handling with **React Hook Form** and **Zod**, ensuring efficient data processing and enhanced user experience

Real Estate Marketplace App | React Native, TypeScript, Vercel, Appwrite

Jan 2024 – May 2024

- Developed a full-stack real estate application using **React Native**, **TypeScript**, **Expo SDK 52**, and **Appwrite**, featuring **Google authentication**, **dynamic property listings**, and **user profiles** for a seamless user experience
- Engineered custom centralized data fetching to **reduce API load** and **improve response times**, enabling **faster property searches**, solving real-life challenges in real estate browsing and management

SKILLS

Languages and Frameworks: JavaScript, TypeScript, React.js, Node.js, Nest.js, MongoDB, React Native, Redux, Tailwind CSS, Java, Python, C++, Spring Boot, SQL, MySQL, PostgreSQL, Selenium(Maven).

DevOps and CI/CD Tools: Hadoop, Apache Spark, Cassandra, Kubernetes, Docker, Git, Jenkins.

Cloud Technologies: Azure, Google Cloud, AWS (Sagemaker, EC2, Lambda, S3).

Software and Tools: JIRA, Vite, Webpack, PHPStorm, Storybook, Postman, GitHub, Bitbucket, Google Analytics.

Certifications: [Oracle Cloud Infrastructure Generative AI Professional](#)