Sumit Rodrigues

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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   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

PROFESSIONAL EXPERIENCE

Software Developer Student Assistant   August 2023 – Present
California State University - College of Communication   *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
- Developed and deployed **microservices-based APIs using Java, Spring Boot, and Hibernate**, reducing latency by 25% and ensuring seamless integration with university systems
- 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   September 2021 – July 2023
BNP Paribas (Bank of the West & BMO)   *Mumbai, IN*
- Led full-stack development for **fintech projects**, including **KYC Scoring** and **KYC Self-Service Tool**, using **Java, Spring Boot, and Hibernate**, 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
- Enhanced component performance through **React.memo and lazy loading**, achieving a **25% improvement in UI responsiveness** on large datasets
- Contributed to building **RESTful microservices** for financial applications, integrating **APIs** with **banking** and **retail POS systems**, improving transaction processing by several milliseconds
- Utilized **JIRA** for **Agile sprint planning**, version control via **Git**, and **CI/CD automation** with **Jenkins and Docker**, improving deployment efficiency
- Transitioned **legacy RESTful APIs to GraphQL**, reducing redundant data calls by **85%** and improving backend data retrieval efficiency for user accounts and transactions

Software Engineer Intern   May 2020 – July 2020
TechHighway Systems Pvt. Ltd.   *Pune, IN*
- Built a **high-performance e-commerce platform** using **Java, Spring Boot, and React.js**, deployed on **AWS EC2**, leading to a **20% increase in conversion rates** by optimizing UI responsiveness and backend efficiency
- Developed an interactive **data visualization dashboard** for a UK-based **e-commerce store**, utilizing **React and D3.js**, enhancing the client's ability to match candidates with job opportunities efficiently
- Configured and optimized **Apache Tomcat servers** to deploy **Java-based microservices**, improving **API response time by 43%** for high-traffic requests

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: Java, Python, C++, Spring Boot, JavaScript, TypeScript, React.js, Node.js, Nest.js, MongoDB, React Native, Redux, Tailwind CSS, SQL, MySQL, PostgreSQL, Selenium(Maven).
DevOps and CI/CD Tools: Hadoop, Apache Spark, Cassandra, Kubernetes, Docker, Git, Linux, 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