

Shalmalee Shenolikar

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EXPERIENCE

Roche Molecular Systems

Santa Clara, CA

Software Engineer Intern

May 2023 - Aug 2023

- Facilitated 300+ clinicians' secure patient data access through ExpressJS RESTful APIs, enhancing workflows while effectively communicating project goals and progress.
- Achieved 60% deployment efficiency optimization using Docker, AWS, and Terraform, inspiring team to adopt cutting-edge technologies as a project leader.
- Designed AWS Lambda architecture with Kinesis, S3, RDS, Step Functions, and API Gateway for Data Integration streams, ensuring high-performance transactions and data integrity.
- Conducted Mocha and Chai testing, reducing critical errors by 95% for reliable code.
- Improved workflows using GitHub Actions for CI/CD, resulting in 40% faster releases and elevated code quality.

X-Labs (University at Buffalo)

Buffalo, NY

Research Assistant

Sept 2022 - May 2023

- Crafted MaterialUI and React-powered mobile and web apps for curated research paper collections with graded assignments, boosting accessibility of educational resources.
- Seamlessly integrated Neo4j APIs to establish a robust data storage framework, while leveraging Firebase to improve authentication security by 40%, ensuring data integrity and user trust.
- Spearheaded a platform enabling collection sharing, propelling an 80% surge in user engagement.

Rocket Software

Pune, India

Full Stack Developer

Oct 2020 - July 2022

- Constructed NodeJS REST APIs with asynchronous functions to boost scalability; Utilized ReactJS, NodeJS, Elasticsearch, Kafka & AWS to create features such as notifications, filters, authentication, dashboard, tables, and forms and facilitated automated data processing with an accuracy rate of 95%.
- Developed UI applications using React/Redux, synthesizing MaterialUI components alongside HTML & CSS to enhance efficiency, resulting in performance improvements of up to 30%.
- Implemented comprehensive testing with Jest, ensuring feature robustness and boosting code reliability by achieving an impressive 90% reduction in critical issues.
- Consolidated advanced tech features into Rocket's EDX6 product, automating EDI message processing and handling non-EDI file formats, resulting in a 20% reduction in manual processes.
- Showcased effective leadership by mentoring new team members and guiding through development process of UI and NodeJS APIs, ensuring seamless integration of advanced technologies.

PROJECTS

Anandwan (Rocket Software Community Build) *Java, SpringBoot, AngularJS, Ionic, REST, AWS*

Created a multi-lingual Android app for streamlined farming operations, improved efficiency by 30%, ensured data security, 24/7 availability, and established real-time messaging and news updates.

Decentralized Pharmaceutical Supply Chain Management *Solidity, ReactJS, NodeJS, Blockchain*

Led design and implementation of a groundbreaking decentralized pharmaceutical supply chain solution using blockchain and Solidity smart contracts, ensuring transparency and trust among stakeholders while establishing a single source of truth for drug transactions.

EDUCATION

University at Buffalo, The State University of New York

Buffalo, NY

Master of Science, Computer Science

Aug 2022 - Jan 2024

Savitribai Phule Pune University

Pune, India

Bachelor of Technology, Computer Science

Aug 2016 - May 2020

SKILLS

Programming Languages:

Javascript, Typescript, Java, Python, HTML/CSS

Tools and Frameworks:

ReactJS, NodeJS, ExpressJS, Mocha, Chai, Jest, MaterialUI, Kafka, Ionic, Angular, S3, Kinesis, AWS Lambda, Terraform

Data Management:

MySQL, PostgreSQL, MongoDB, Neo4j

Cloud Platforms:

AWS, GCP

Containerization:

Kubernetes, Docker, Container Security

Software Methodologies:

Agile, JIRA, Design Patterns, CI/CD, Microservices, REST, GraphQL, Multithreading, Test-Driven Development (TDD)

Version Control:

Git, GitHub, GitHub Actions, Gitlab, Bitbucket