

Shalmalee Shenolikar

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EXPERIENCE

Software Engineer Intern, Roche Molecular Systems, Inc, Santa Clara, CA May 2023 - Aug 2023

- Empowered 300+ clinicians with secure patient data access via seamless healthcare system integration using ExpressJS RESTful APIs, enhancing workflows and accessibility. Optimized deployment efficiency by 60% using Roche Navify, Docker, AWS, and Terraform, streamlining software delivery.
- Designed scalable AWS Lambda architecture, leveraging Kinesis, S3, RDS, Step Functions, and API Gateway for serverless Data Integration streams, ensuring high-performance transaction management and data integrity.
- Conducted thorough testing using Mocha and Chai, resulting in a 95% reduction in critical errors, ensuring code reliability and functionality.
- Enhanced workflows using GitHub Actions for CI/CD, automating build, test, and deployment, leading to 40% faster releases and elevated code quality for seamless project delivery.

Software Developer, Rocket Software,Pune,India Oct 2020 - Jul 2022

- Constructed NodeJS REST APIs with asynchronous functions to enhance scalability for features like notifications and dashboards and facilitated automated data processing with an accuracy rate of 95%.
- Utilized ReactJS, NodeJS, Elasticsearch, Kafka & AWS to create features such as notifications, filters, authentication, dashboard, tables, and forms; resulting in a 25% increase in performance.
- Developed UI applications using React/Redux, integrating 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.
- Integrated 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.

Software Developer Intern, Rocket Software, Pune, India May 2019 - Jul 2019

- Created a cloud-ready, multi-lingual Android app and backend system to streamline the farming workflow and real-time information flow to farmers, enhancing efficiency by 30%.
- Integrated Spring Boot with Java & Zuul API gateway for authentication & authorization, allowing efficient data storage with MySQL database.
- Built computerized pipelines leveraging AWS CodePipeline & Lambda functions enabling 24/7 availability of the application services decreasing downtime by 20%.
- Synthesized RESTful APIs with microservices for UI, crop workflows, farmer/agronomist messaging, authentication & real-time news to facilitate cloud deployment.

PROJECTS

Multi-topic Information Retrieval Chatbot (University at Buffalo)

- Engineered an NLP interface employing BERT deep learning for contextual bot replies via IR doc search.
- Implemented neural search with dense vector representations for document-query matching, resulting in ranked results by relevance.
- Integrated chitchat dataset for 99% accurate fallback responses in non-relevant scenarios.

NorthStar - X-Labs (University at Buffalo)

- Crafted React-powered mobile and web apps for curated research paper collections with level assignments.
- Seamlessly integrated neo4j APIs for robust data storage, elevating authentication by 40%.
- Spearheaded a platform enabling collection sharing, propelling an 80% surge in user engagement.

EDUCATION

Master Of Science, Computer Science Aug 2022 - Present
State University of New York at Buffalo GPA: 3.4

Bachelor of Technology, Computer Science Aug 2016 - Oct 2020
Savitribai Phule Pune University

SKILLS

Programming Languages: Javascript, Typescript, Java, Python, HTML/CSS

Tools and Frameworks: ReactJS, NodeJS, ExpressJS, Mocha, Chai, Jest, MaterialUI, Kafka, Ionic, Angular, AWS S3 ,AWS 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), Code Quality & Review

Version Control: Git, GitHub, GitHub Actions, Gitlab, Bitbucket