

# Shalmalee Shenolikar

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## EDUCATION

### University at Buffalo, The State University of New York

Master of Science, Computer Science *GPA: 3.5*

Buffalo, NY

Aug 2022 - Jan 2024

### Savitribai Phule Pune University

Bachelor of Technology, Computer Science

Pune, India

Aug 2016 - May 2020

## SKILLS

Programming Languages:	JavaScript, TypeScript, Java, Python, HTML, CSS, SQL, Go
Tools and Frameworks:	React, NodeJS, Express, Jest, Mocha, React Native, Kafka, Redux, Angular, Elasticsearch, EC2, S3, Lambda, Selenium, Terraform
Data Management:	MySQL, PostgreSQL, MongoDB, Neo4j,
Cloud Platforms:	AWS, GCP, Microsoft Azure
Containerization:	Kubernetes, Docker, Container Security
Software Methodologies:	Agile, JIRA, Design Patterns, CI/CD, Jenkins, Scrum, Kanban, Microservices, RESTful APIs, GraphQL, TDD, Confluence
Version Control:	Git, GitHub, GitHub Actions, Gitlab, Bitbucket

## EXPERIENCE

### Capital Market Solutions LLC

*Software Engineer*

United States, Remote

May 2024 - Present

- Designed user-friendly UI components with **PrimeNG**, **Material**, **Bootstrap** using **Angular v15**.
- Created ETL pipelines for **Regulatory Surveillance Management System** product identifying daily shares transaction exceptions and resolves it using **Spring Boot**, **Java**, **MySQL**, **JWT** token.

### X-Lab (University at Buffalo)

*Research Assistant*

Buffalo, NY

Sept 2022 - Present

- Spearheaded a comprehensive healthcare platform for clinical trial management, utilizing **React.js**, **Node.js**, **React Native**, **MongoDB**, **Docker**, and **Kubernetes**, featuring tailored questionnaires, targeted user groups, notifications, data collection, data visualisation, deployed on AppStore. *Link*
- Crafted **TailwindCSS**, **React**, **Node** and **React Native** powered **mobile** and **web app** for research paper collections with graded assignments, boosting accessibility with **80%** surge in user engagement.
- Integrated **Neo4j APIs** to establish robust data storage framework, while leveraging **Firebase** and **OAuth2** to improve authentication security by **98%**, ensuring data integrity and user trust.

### Roche Molecular Systems

*Software Engineer Intern*

Santa Clara, CA

May 2023 - Aug 2023

- Orchestrated secure patient **EHR** data access for **300+** clinicians through **FHIR RESTful APIs**.
- Led the development of a **real-time communication system** connecting labs, doctors, patients, optimizing information flow and **boosting deployment efficiency by 60%** with **Docker**, **K8s**.
- Inspired the team to adopt **AWS** tech like **Kinesis**, **SNS**, **SQS**, **API Gateway**, **Step Functions** for streamlined lab data processing, real-time report generation & high-performance data integration.
- Executed robust **Selenium**, **Mocha**, **Chai** testing, **reducing errors by 95%** for enhanced reliability.

### Rocket Software

*Full Stack Developer*

Pune, India

Oct 2020 - July 2022

- Constructed scalable **NodeJS REST APIs** using **React**, **Elasticsearch**, **Kafka**, **Go**, **Jenkins**, for features like notification, filters, dashboard, tables, **automated data processing with 99% accuracy**.
- Developed **React/Redux** UI app, optimizing efficiency by **40%** through **MaterialUI** components.
- Implemented **Jest** for testing, achieving a **90% reduction in critical issues** for feature robustness.
- Automated **EDI** message processing in Rocket's EDX6, **reducing manual processes by 40%**.

*Software Engineer Intern*

May 2019 - Sept 2020

- Developed a secure, cloud-ready Android app for efficient farming operations, leveraging **Java**, **Ionic**, **AngularJS**, **SpringBoot**, **Zuul**, **MySQL**, **Eureka server**, and implemented real-time messaging.
- Created a revolutionary **Low Code Application Builder** with drag-and-drop components & customizable features, using **React**, **Spring Boot**, **Java**, **Github** for fast & easy app development.

## PROJECTS

- PharmaChain Rx (UB)** Decentralized pharmaceutical supply chain solution development using **Solidity**, **JavaScript**, **Blockchain**, **web3**, **Ethereum**, ensuring transparency and trust for stakeholders. *Link*
- ScreenTx Interface (Citi)** Engineered a sanctions screening interface, using **Spring Boot**, **Java**, **JSP**, **Maven**, **JDBC**, **Tomcat**, **AngularJS**, to reduce false positives and integrate into existing infrastructure.
- InfoBot (UB)** Built **NLP** interface using **BERT** for contextual bot replies and **neural search** with dense vectors. Integrated chitchat dataset, achieving a 99% conversational response rate accuracy.