

# Shalmalee Shenolikar

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## EDUCATION

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

Master of Science, Computer Science

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, HTML, CSS, SQL, PHP

Tools and Frameworks:

React, NodeJS, Express, Mocha, React Native, Redux, Webpack, Babel, npm, ES6, Next.js, Tailwind CSS, Bootstrap, Kafka, Figma

Data Management:

MySQL, Postgres, MongoDB

Cloud Platforms:

AWS

Containerization:

Kubernetes, Docker

Software Methodologies:

Agile, JIRA, Design Patterns, CI/CD, Jenkins, Scrum, Kanban, Microservices, RESTful APIs, GraphQL, TDD, Confluence

Version Control:

Git, GitHub, Bitbucket

## EXPERIENCE

### Treatment Technologies and Insights

Los Angeles, CA

Frontend Engineer

Sept 2024 - Present

- Designed and developed responsive web interfaces for cancer and chronic illness treatment portals using **PHP, Laravel, and Livewire** to create seamless user experiences for admin, staff, and patients.

### Capital Market Solutions LLC

United States, Remote

Software Engineer Intern

May 2024 - Sept 2024

- 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)

Buffalo, NY

Research Assistant

Sept 2022 - Sept 2024

- 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 **Firestore** and **OAuth2** to improve authentication security by **98%**, ensuring data integrity and user trust.

### Roche Molecular Systems

Santa Clara, CA

Software Engineer Intern

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

Pune, India

Frontend Engineer

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%**.

## PROJECTS

- Smart Crop (Rocket Software)** Built a secure, cloud-ready **Android** app to streamline farming operations using **Java, Ionic, AngularJS, Spring Boot**, and **MySQL**. Implemented live news feed, crop cycles and real-time messaging between farmers & agronomists for improved communication and efficiency.
- Low Code Application Builder (Rocket Software)** Developed a drag-and-drop Low Code Application Builder with customizable features using **React, Spring Boot**, and **Java**, enabling fast and easy app development.
- 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.