

# SAKSHI MAHESH WADASKAR

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## EDUCATION

### Northeastern University

09/2023 - 08/2025

*Master's, Computer Software Engineering*

GPA: 3.7

- Database Design, Web Development, Data Structures & Algorithms, Advanced Big Data Indexing, Data Science.

### Savitribai Phule Pune University

08/2017 - 10/2020

*Bachelor's, Electrical Engineering*

GPA: 3.8

- Object Oriented Programming, Computer Architecture and Networks, Operating Systems, ML/AI.

## SKILLS

**Languages:** C/C++, Java, JavaScript, Go, Python, TypeScript, Ruby (familiar)

**Web dev & Databases:** ReactJS, Spring, Flask, AngularJS, HTML5/CSS, HTTP, Node.js, GraphQL, MySQL, Postgres, AJAX, Django

**Tools & Technologies :** Git, Jenkins, Docker, Logstash, Kibana, Postman, Agile, AWS (S3, EC2, RDS, Lambda, DynamoDB)

## PROFESSIONAL EXPERIENCE

### Thoughtworks

Pune, MH, India

*Senior Software Engineer*

04/2022 - 08/2023

- Automated Flask app deployments for 30+ microservices managing data of millions of users by building CI/CD pipelines with Jenkins and Docker, ensuring seamless updates and reducing deployment cycles by 25%.
- Integrated front-end optimization techniques such as lazy loading, minified CSS/JS, and image compression, improving site speed by 25% using Bootstrap 5 and custom JavaScript solutions to enhance mobile and tablet responsiveness.
- Engineered Shell scripts to automate complex data processing workflows, optimizing the handling of 100,000+ records, reducing manual intervention by 70%, and boosting system performance for scalable, reliable production environments.
- Streamlined deployment workflows by integrating AWS Lambda functions, EC2 instances, and RDS databases into a cohesive pipeline, enabling faster recovery from failures and reducing deployment errors by 35%.

### Thoughtworks

Pune, MH, India

*Software Engineer*

04/2021 - 04/2022

- Devised comprehensive JUnit and Mockito testing strategies, resulting in a 35% reduction in post-release defects, ensuring high-quality software delivery and significantly enhancing overall system reliability.
- Developed a multithreaded processing system in Java with optimized thread pooling, enabling 150+ concurrent tasks and reducing processing latency by 40% for high-traffic operations.
- Reduced REST API response times by 30% by caching frequently accessed metadata and configuration data with Redis, eliminating redundant database calls and reliably supporting 1 million+ daily requests.
- Developed reusable React components with TypeScript, optimizing rendering using hooks and memoization, minimizing re-renders by 25% and significantly enhancing the application's speed and interactivity.

### Viprush Technologies Pvt. Ltd.

Nagpur, MH, India

*Graduate Software Engineer*

11/2020 - 03/2021

- Developed a cross-system automation framework in Java, leveraging Java Messaging Service, Spring, JUnit 5, and Selenium. The framework streamlined the testing workflow by automating processes, reducing manual validation time by 80%, and ensuring high reliability in frequent deployments.
- Implemented advanced state management using React Context API and Redux, streamlining data flow and enhancing application performance, leading to a 30% reduction in bug reports and faster feature development.

## PROJECTS

### Eco Engage App - [Link to project](#)

- Developed the full-stack app using React, OAuth 2.0, Node.js, and MongoDB, implementing secure RESTful APIs, social networking features, and interactive maps to display nearby events.

### Hospitality Management System

- Developed a Java-based data exchange system using MVC and Swing UI to manage hotel chains, wholesalers, and university programs, implementing OOP principles with Factory and Builder Design Patterns, ensuring reliability through JUnit testing.

### Health Advisor Bot

- Built an AI-powered health advisor using FastAPI and GPT-4, fine-tuning LLM models to provide personalized health recommendations, leveraging multi-agent LLM architecture for delivering insights from over 100,000 medical records.