

JIGISHA BHOLE

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EDUCATION

Northeastern University

Expected May 2026

Masters in Software Engineering Systems | GPA: 4.0

Boston, MA

Coursework: Object Oriented Design, Program Structure and Algorithms, Cloud Computing, Web Development

Savitribai Phule Pune University

Apr 2020

Bachelor of Engineering in Computer Engineering | GPA: 9.04

Pune, India

Coursework: Object Oriented Programming, Database Management, Data Structures and Algorithms, Operating Systems

TECHNICAL SKILLS

Frontend: React.js, JavaScript, TypeScript, HTML5, CSS, SASS, D3.js

Backend: Python, Java, Spring, Shell Scripting, Node.js

Data/ML: MySQL, PostgreSQL, MongoDB, XML, JSON, scikit-learn, NumPy, Pandas, PyTorch

Cloud/Tools: AWS(S3, RDS, CloudWatch, AutoScaling), GitHub, Elasticsearch, GitHub Actions, Terraform

EXPERIENCE

Finastra

Aug 2023 – Feb 2024

Software Engineer

Pune, India

- Developed and optimized **8+** payment workflows using **Java** and **Spring Boot** in a **distributed microservices architecture**, ensuring compliance with CHIPS, Fed clearing house, which improved transaction efficiency and system reliability under high transaction volumes
- Modernized legacy services into **modular microservices**, resulting in a **35–50%** reduction in mass payment processing times and enabling faster deployment of new features
- Enhanced software quality by implementing comprehensive **unit and integration tests** with **JUnit and Mockito**, achieving **98%** test coverage for new modules
- Optimized **SQL** queries with indexing and partitioning on multi-million row tables, significantly improving system performance and earning **client recognition** for scalability improvements

Xoriant Solutions Pvt Ltd

Aug 2020 – Aug 2023

Senior Software Engineer

Pune, India

- Optimized and resolved critical issues in **Java- and Angular-based applications**, reducing production backlog by **40%** and improving stability and performance of large-scale payment systems
- Led a team of **8** software engineers as **Technical Lead**, fostering collaboration through effective communication and mentorship, which improved team performance and ensured timely project delivery
- Managed the codebase with Git, automated builds with **Gradle**, following **Agile practices** to ensure timely feature delivery

PROJECTS

CloudFileVault: Cloud Native Application | AWS, Node.js, REST API, Sequelize ORM, MySQL | 🌐

- Developed a secure file storage app with **Node.js, REST APIs, and MySQL**, deployed on **AWS EC2, RDS, and S3**, with encrypted **HTTPS** access and custom personal domain integration
- Automated cloud infrastructure** setup using **Terraform**, including **IAM roles, VPCs, KMS encryption, and AMI** creation for consistent, scalable deployments
- Developed a **CI/CD** pipeline with **GitHub Actions** to automate testing and deployment, enhancing delivery efficiency
- Enabled real-time monitoring and log analysis by integrating **AWS CloudWatch**, improving observability

BudgetBuddy: Group Expense Application | React.js, Node.js, RESTful API

- Built a responsive single-page app using **React.js, Material UI, and JavaScript**, enabling group expense tracking, bill splitting, and automated data entry from receipts via the **OpenAI API**
- Architected a centralized **Redux store** to maintain **application state**, enhancing data consistency
- Designed **RESTful APIs** using a **Node.js** backend with **MVC** architecture, improving scalability and code organization
- Secured user data with **JWT**-based authentication, password encryption, and robust session management

CareConnect | Python, Django, FastAPI

- Developed scalable **FastAPI** in **Python**, enabling real-time collaboration between healthcare providers and patients
- Built a secure **Django** backend in Python for efficient user management and streamlined workflows