

# SIRI BOMMA

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[Portfolio](#)

## Professional Summary

Software Engineer with 3+ years of experience building scalable, cloud-native applications in healthcare, logistics, and IoT. Skilled in Java, Spring Boot, AWS, and distributed systems with expertise in system design and performance optimization. Proven record of delivering secure, reliable, and high-impact solutions in fast-paced environments.

## Education

University of North Texas, Denton

Master of Science in Information Science, **GPA: 3.9**

May. 2024

Texas, USA

Balaji Institute of Technology & Sciences, Narsampet

Bachelor of Technology

May. 2021

Telangana, India

## Experience

Software Engineer

Signify Health

May. 2024 – Present

- Designed and deployed Spring Boot microservices on AWS (EC2, Lambda, RDS), reducing downtime by 25% and improving scalability.
- Built HIPAA-compliant REST APIs for secure integrations, ensuring compliance and data protection.
- Automated CI/CD pipelines with Docker and GitHub Actions, cutting deployment cycles by 40% and accelerating releases.
- Enhanced observability with centralized logging, metrics, and monitoring, reducing incident resolution time by 30%.
- Partnered with cross-functional teams to deliver healthcare features that improved data reliability and patient engagement.
- Conducted performance benchmarking and tuning to optimize response times, improving throughput by 20%.

Software Engineer

Examity

Jul. 2020 – Jun. 2022

- Developed and maintained online proctoring solutions used by 100K+ students globally.
- Built real-time monitoring features with Java, React, WebSockets, improving system responsiveness.
- Optimized SQL queries and backend services, achieving 40% faster performance.
- Took ownership of core modules, ensuring scalability, reliability, and timely feature delivery.
- Contributed to backend service development with Java Spring Boot and REST APIs.

Software Engineer Intern

May. 2020 – Jun. 2020

- Implemented unit testing and automation scripts, improving release stability and reducing manual QA effort.
- Assisted in debugging and performance tuning, improving system responsiveness and user experience.

## Key Projects

**Live Logistics Platform** | Spring Boot, WebSockets, PostgreSQL, Google Maps API, React.js

- Developed a real-time logistics tracking system with dashboards for customers, couriers, and admins.

**CropTrack-Live** | Spring Boot, MQTT, TimescaleDB, Machine Learning, AWS, VS Code API

- Built an IoT-driven agriculture system with AI-powered irrigation, reducing water usage by 30%.

**Swift Parcel Manager** | Java, Spring Boot, REST APIs, MySQL, AWS, Restful APIs

- Designed a parcel management platform automating shipment routing & third-party API integrations.

## Skills

**Programming Languages:** Java, Python, JavaScript, SQL, HTML5, CSS3

**Backend & Frameworks:** Spring Boot, Spring Framework, REST APIs, Microservices, GraphQL, WebSockets, Hibernate/JPA

**System Design & Core CS:** Data Structures & Algorithms, Object-Oriented Programming (OOP), Distributed Systems, System Design, Event-Driven Architecture, API Security (OAuth2/JWT)

**Cloud & DevOps:** AWS (EC2, Lambda, S3, RDS, DynamoDB, SQS/SNS, API Gateway, CloudWatch), Docker, Kubernetes, GitHub Actions (CI/CD)

**Databases:** PostgreSQL, MongoDB, TimescaleDB, MySQL, Redis

**Developer Tools:** Git, Maven, Gradle, IntelliJ IDEA, JUnit, Mockito, Swagger/OpenAPI

## Certifications

- Certified Software Engineer - HackerRank | Certified Java Developer - IBM