

# SANGAMESHWAR MELKUNDE

Java Full Stack | 3x AWS/Azure Certified

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## PROFESSIONAL SUMMARY

Result-oriented Senior Software Engineer with over **4 years of experience** in leading cross-functional teams & delivering **10+ high impact projects**. Specialized **developing 100% secure, scalable, and high-quality software solutions** using Java Spring Boot and cloud technologies. Proficient in microservices architecture, caching mechanisms, and performance optimization. Proven expertise in managing whole teams, and improving system performance and customer satisfaction by implementing agile methodologies. Passionate about solving complex challenges

## WORK EXPERIENCE

### Cognizant Technology Solutions

Pune, Maharashtra

*Software Engineer (Domain – Banking & Finance)*

*September 2021 – Present*

- Designed and implemented a **scalable, fault-tolerant microservices** architecture with Spring Boot, **improving throughput by 50%** and reducing **latency by 30%** using asynchronous communication. Ensured **99.9% reliability** with retries, circuit breakers, and fallbacks
- Leveraged the powerful caching capabilities of Spring Boot and Redis to improve the performance and responsiveness of the microservices, leading to a **40% reduction in average response times**.
- Implemented a caching mechanism using Redis, which improved application response times by 50% and reduced server load by 35%.
- Enhanced application performance by implementing **multithreading and asynchronous** API calls with CompletableFuture, leading to a **40% improvement** in concurrent task processing efficiency, faster response times, and improved application responsiveness.
- Demonstrated **strong debugging** skills in development and staging environments, identifying, and resolving critical issues, which led to a **20% decrease in production bugs**.
- Collaborated with product owners, architects, and developers to gather requirements and **launched 3 major software** updates in six months. This reduced project delivery time by 20% and improved stakeholder and customer satisfaction.
- Utilized performance analysis tools such as **JProfiler and JMeter** to identify and resolve performance bottlenecks, resulting in a **25% boost** in service performance.
- Chrome Extension for Job Application Autofill** - Developed a Chrome extension to autofill job applications on various ATS systems, improving application efficiency by 50%
- Custom Spring Boot library** - Developed and published a reusable **custom Spring Boot library/Dependency** to Azure Artifact, that streamlined common functionalities, reducing development time by 40%.
- Designed and implemented **distributed event-driven** microservices, improving system scalability and resilience. Successfully processed **over 1 million events per day**, reducing latency by 30% and enhancing real-time data processing capabilities.

### MR. Serviceman Pvt Ltd (Local Startup)

Aurangabad, MH

*Software Engineering Internship*

*October 2020 – August 2021*

- Integrated frontend web development with backend databases, improving site load times by 30% and enhancing user engagement metrics, resulting in a significant 15% increase in online transactions within three months.
- Designed a customized online ordering website integrated with the POS System, **increasing revenue, reducing staff costs around 10%**, and optimizing in-store capacity for the associated restaurant.

## PROJECTS

**Custom Spring Boot library**: Developed and published a **custom Spring Boot library** to Maven Central [maven-central-repo.com](https://maven-central-repo.com) December 2024

**Retail Banking** | **Team size: 5** | **Role – Leader** | **Tech:** Angular, Microservices, Rest Template, Spring Security, GitHub Action [GitHub/retailbank](https://github.com/retailbank) April 2022

- Engineered a microservices architecture, reducing downtime by 90% and increasing user load capacity by 300%; optimized database and caching (Redis) strategies, integrated Kafka for reliable messaging, deployed on cloud with auto-scaling, and implemented monitoring tools, resulting in a 50% boost in user satisfaction.

**Multi-Services Software** | **Team size: 3** | **Role: Developer** | **Tech:** Redis, Kafka, system design, design pattern [GitHub/retailbank](https://github.com/retailbank) January 2023 – May 2023

- Built a multi role-based access software for [ssktechinfoPvtLtd](#) car that controlled by verbal commands, used band-pass filters to detect and filter out voice frequency for voice recognition and classification.
- Conducted performance tuning and optimization of database queries, resulting in a 45% improvement in application performance and a 20% reduction in database costs, saving approximately \$15,000 annually.

**Crescent Live Event Management Portal** | **Individual** | **Tech:** React, Spring boot

[crescentliveevents.com](https://crescentliveevents.com)

January 2023

## HACKATHONS & OPEN SOURCE CONTRIBUTION

**Contributor to SonarQube**: Launched **5 new features** and fixed **10 bugs** in a popular open-source project using Spring Boot and Angular, improving functionality and user experience, and increasing community adoption by **25%**.

### ING Hackathon-Beyond Delivery:

- Developed and published a custom Spring Boot library to Maven Central, enabling seamless integration and reuse across multiple projects
- Implemented monitoring and alerting using **Prometheus and Grafana**, improving system reliability and uptime by 20%.

## TECHNICAL SKILLS

- **Java Technologies:** Java (Core & Advance), Java 17, J2EE, Servlet, JSP, Spring Framework, Spring MVC, Spring REST, Spring Boot, Data JPA & Spring Security (OAuth2, JWT), Spring Cloud (Microservices, Config server,Eureka,Zuul/Gateway) Okta, ,Lambda, Stream API
- **Build and Dependency Management:** Maven, Gradle, Ant
- **Testing & API Documentation:** Unit testing (JUnit, Mockito), E2E, Integration testing, WireMock, API testing(Postman), swagger, Versioning
- **Version Control & collaboration:** Git, GitHub, Gitlab, Azure Boards, Jira, confluence
- **Frontend Web Development:** React, Angular, HTML, CSS, JavaScript
- **Databases:** Relational (Oracle, MySQL, PostgreSQL), NoSQL (MongoDB, Cassandra), graph (Neo4j)
- **Logging & Monitoring tools:** ELK stack, Prometheus, Grafana, Kibana,
- **Scripting Languages:** Python, Shell/Bash, YAML
- **Cloud Platform:** AWS, Azure, GCP
- **Containerization and Orchestration:** Docker, Kubernetes, Helm,
- **Continuous Integration and Delivery:** Jenkin, CICD Azure DevOps, Helm, OpenShift, redhat, Github action
- **Code Quality and Security:** SonarQube, SonarLit, Veracode, Checkmarx, synk
- **Infrastructure as Code (IaC) :** Terraform, Cloud Formation
- **System Design:** Performance improvements, Cache, Resilience, Scalability
- **Soft Skill:** Problem solving, Leadership

## AWARDS/ACHIEVEMENTS/APPRECIATION

Employee of the Month Award | COGNIZANT

April – May 23

Security Champion | ING BANK

January – May 23

- Successfully resolved multiple critical security vulnerabilities, reducing breach risks by 30%, and enhanced the team's adherence to **security best practices**, fostering a culture of security.
- Proactively managed risk and strengthened controls: Successfully implemented security best practices and protocols, reducing security vulnerabilities by 50% and achieving compliance with industry standards.

Star Performer | COGNIZANT-ING Partnership

May 2023

- Outstanding Contribution in dream Journey application delivery

## CERTIFICATIONS/COURSES

AWS Certified Developer - Associate | *CloudFront, EC2, IAM, codeCommit*

[see credentials](#)

April 2024

AWS Certified Solution Architect - Associate | *Worked On: AWS lambda, S3, ECR, ECS, ELB, DynamoDB, Route 53*

[see credentials](#)

May 2023

Azure Certified AZ400 Developing Solution on Azure DevOps

[see credentials](#)

June 2024

Azure Certified AZ204 Azure Associate Developer

[see credentials](#)

June 2024

Master Microservices with Spring boot, Security, Cloud, Docker, Kubernetes – Udemy

[see credentials](#)

June 2021

Reactive Redis Masterclass for Java Spring Boot Developers - Udemy

[see credentials](#)

June 2021

## LEADERSHIP EXPERIENCE & EXTRACURRICULAR

**Dev and Ops Stream Lead** | *ING Bank*

March 2024 – Present

- **Established best practices for code reviews and quality assurance** to write well-designed, maintainable, testable, scalable, and secure code, not only reducing technical debt by 20% but also reducing the number of critical bugs in production by **60%** and improving overall code quality.
- Led weekly alignment meetings and facilitated design sprints, resulting in the successful launch of 3 major software updates within 6 months, improving user satisfaction by 25% and reducing bug reports by 40%.
- Led a project to refactor and optimize the codebase, which improved code quality and reduced the number of bugs by 40%.
- As a leader, I proposed 12 innovative ideas to the client, delivered 10+ knowledge transition sessions, mentored 5 senior team members

**Lead Developer** | *Cognizant*

April 2021 – March 2021

- Led a cross-functional team of 5 engineers to design, **develop, test, debug, deploy and maintain** a new microservices-based architecture, coordinating daily stand-ups, managing project timelines, and facilitating communication between stakeholders, resulting in a **30% increase** in system performance and a 25% acceleration in deployment speed.

**Lead Volunteer at GCOEJ Hackathon 1.0** | *Government College of Engineering, Jalgaon*

September 2020

- Organized Hackathon for students and assisted **100+** of participants. Sorted out top performers through their development skills.

## EDUCATION

**Government College of Engineering, Jalgaon**

August 2017 – June 2021

*Bachelor of Technology in Computer Engineering (CSE) - CGPA - 8.24/10*

**Jalgaon, Maharashtra**