

# SANGAMESHWAR MELKUNDE

4+YOE | 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, robust and high-quality software solutions** using Java Spring Boot and cloud technologies. Proficient in resilient 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 GEN AI

## WORK EXPERIENCE

### Cognizant Technology Solutions

Pune, Maharashtra

*Software Engineer (Domain – Banking & Finance)*

*September 2021 – Present*

- Collaborated with cross-functional(product owners, architects, and QA, DevOps) and **launched 3 major microservice based applications** in six months this reduced project delivery time by 20% and improved stakeholder and customer satisfaction.
- Led a Domain Driven Design for newly launched Exact onboarding and Digital Outreach in ING KYC area, co-ordinating with downstream microservices and responsible for multiple Batch processing, E2E process in KYC area.
- 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 and reduced server load by 20%.
- Enhanced application performance by implementing **multithreading and asynchronous** API calls with Webflux and 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, identified, and resolved **40+ critical issues** with hotfixes, which led to a **20% decrease in production bugs**.
- Utilized performance analysis tools such as **JProfiler and JMeter** to identify and resolve performance bottlenecks, enhanced in a **25% boost** in service performance.
- Developed a **highly scalable and distributed event-driven robust Kafka** data flow for ING Bank KYC Digital outreach campaigns, requiring **zero maintenance and zero downtime** over years due to comprehensive coverage of edge cases, and successfully processed **over 1 million events per day**
- Custom Spring Boot library** - Developed and deployed a reusable **custom Spring Boot library/Dependency** using CICD to Azure Artifact, that streamlined common functionalities, reducing development time by 40% and getting **used in 10+** projects seamlessly.
- Tech Tools:** Microservices, Kafka, Stream API, ELK, Azure Pipeline, AWS CloudFront, MySQL, Grafana, S3, Azure DevOps,

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

Aurangabad, MH

*Software Engineering Internship*

*October 2020 – August 2021*

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

## 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

- Microservices based application having built using Angular, Spring boot having feature of live chat using websocket, JWT token-based authentication and authorization.

**Multi-Services Software** | **Team size:** 3 | **Role:** Developer | **Tech:** Redis, design pattern

[GitHub/retailbank](https://github.com/retailbank) January 2023 – May 2023

- Built a multi role-based access software for client **SSKTechInfolinePvtLtd** Aurangabad.
- This software increased **productivity by 50%** and got profits of approximately double annually, having 500+ active users. It has Role-based access control (RBAC): SuperAdmin, Admin, Employees, Distributor & Users. (60% my contribution)
- Features added by me: Wallet system, Razorpay payment gateway integration, Invoice, Multi-step & highly customized more than 20 services forms,Sql & NoSql Databases, Github CI/CD pipeline.

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

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

January 2023

## HACKATHONS & OPEN SOURCE CONTRIBUTION

### ING Hackathon-Beyond Delivery:

- Developed a modular **CI/CD pipeline template** adopted across **25+ internal teams**, enabling **automated post-deployment checks** including API performance monitoring, **regression testing**, and integration validation. Enhanced the pipeline with **security scanning**, load testing, and real-time alerting, **reducing post-release issues** by 40% and cutting **onboarding time for new services by 60%**
- Implemented monitoring and alerting using **Prometheus and Grafana**, improving system reliability and uptime by 20%.

## TECHNICAL SKILLS

- **Java Technologies:** Java 8,17,21 (Core & Advance), Java 17, J2EE, Spring Framework, Spring MVC, Spring REST, Spring Boot, Data JPA, Hibernate & Spring Security (OAuth2, JWT), Spring Cloud (Microservices, Config server,Eureka,Zuul/Gateway) Okta, ,Lambda, Stream API, Servlet, JSP, Design patterns, Solid principals,REST API, GraphQL
- **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 [IAM, EC2, EKS, Lamda], Azure[ACR, web app, ], 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, Multitasking, Ownership

## AWARDS/ACHIEVEMENTS/APPRECIATION

**Employee of the Month Award | COGNIZANT**

May 2023

**Security Champion | ING BANK**

January 2023

- 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.
- Responsible for the KYC, Customer & data domain, enforcing **secure coding practices** and **OWASP standards** by reviewing all code changes before merging into the master branch; ensured no deployment occurred without security approval, significantly reducing vulnerabilities and strengthening application security across teams.

**Star Performer | COGNIZANT-ING Partnership**

May 2023

- Outstanding Contribution in Dream Journey of New Business and Private Individual Onboarding.

## CERTIFICATIONS/COURSES

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

[AWS Certified](#)

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

[AWS Certified](#)

**Microsoft Certified AZ400 Developing Solution on Azure DevOps**

[Microsoft Certified](#)

**Microsoft Certified AZ204 Azure Associate Developer**

[Microsoft certified](#)

**NEW Master Microservices with Spring boot, Security, Cloud, Docker, Kubernetes**

[Udemy](#)

**Full Stack: Angular and Java Spring Boot E-Commerce Website**

[Udemy](#)

## 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**