

# Aisha Menon

## Senior Software Engineer

Pune | [aisha.menon@protonmail.com](mailto:aisha.menon@protonmail.com) | [+91-98200-11021](tel:+919820011021)  
<https://linkedin.com/in/aishamenon-se-7231>

## Summary

Senior Software Engineer with 7+ years building enterprise-grade MES components integrated with PLC/SCADA and ERP interfaces. Deep expertise in Java, OOP, design patterns, and real-time scalable services. Strong SAFe practitioner, leads PI planning, and owns sprint breakdown and estimation.

## Core Skills

- **Languages:** Java 11/17, SQL, JavaScript
- **Frameworks/UI:** Vaadin 14+, Java Swing, JSP, REST, Spring Core/Web
- **Databases:** Oracle 12c/19c, SQL Server 2017
- **Practices:** OOA/D, TDD/BDD, CI/CD, containerization (Docker), virtualization
- **Tools:** Eclipse, IntelliJ, SVN, GitLab, JUnit 5, Mockito, Jenkins, ANT, Maven, JIRA
- **Domains:** Manufacturing MES, Life Sciences (21 CFR Part 11), GMP compliance
- **Security/Data:** TLS, OAuth2, RBAC, message queues (ActiveMQ/Kafka basics)

## Experience

### Senior Software Engineer – InnoManufacture Solutions (Pune) | 2021–Present

- Led architecture & development of MES work-in-progress tracking and electronic batch records with Vaadin UI and Oracle backend.
- Drove PI planning with Scrum Master; decomposed epics → features → user stories; created hour-level task breakdowns.
- Implemented design patterns (Strategy, Observer) for real-time equipment data ingestion from OPC-UA gateways.
- Built CI/CD via GitLab + Jenkins, Dockerized services, added JUnit/Mockito test suites, improved coverage to 82%.
- Participated in design/code/test reviews; mentored 4 engineers.

### Software Engineer – RockCore Digital (Bengaluru) | 2018–2021

- Delivered Java Swing clients for line clearance & deviation handling; integrated with SQL Server.
- Added ERP (SAP) interfacing via REST, with retry/backoff patterns and circuit breaker.
- Owned unit test plans, defect triage, and regression automation.

## Education

B.E., Computer Engineering – University of Mumbai

## Certifications

- SAFe® 6 Practitioner (SPC-ready track)
- Oracle Certified Professional Java SE 11

## Projects

- **MES Real-Time Dashboards:** Vaadin + REST microservices streaming OEE/KPIs; <200ms update latency.
- **eBR Compliance Enhancements:** Audit trails, e-signatures aligned with 21 CFR Part 11.