

# UMESH UNNIKRISHNAN

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## Summary

Senior Java Developer specializing in building scalable enterprise web applications using Spring Boot, REST APIs, and modern microservices architecture. Strong background in designing clean, maintainable systems with CI/CD, Docker, and Kubernetes-based deployments. Passionate about solving real-world problems through high-quality, reliable backend solutions and collaborative engineering practices.

## Skills

**Core Backend & Languages:** Java, Spring Boot, Spring Security, Hibernate, JPA, REST APIs, JavaScript, SQL

**Architecture & Microservices:** Microservices Architecture, Event-Driven Architecture, API Gateway, JWT & OAuth2 Authentication, Distributed Systems, Legacy Modernization

**Messaging & Integration:** Apache Kafka, Asynchronous Processing, Third-party Service Integration

**Databases:** Postgres, MySQL, Oracle, MongoDB

**Tools & Collaboration:** Git, Maven, Swagger/OpenAPI, Postman, JIRA, Confluence, JFrog, IntelliJ, Harbor

**Leadership:** Technical Mentoring, Agile/Scrum, Estimation & Planning, Client Collaboration, Documentation & Knowledge Transfer

**Cloud, Containers & DevOps:** Docker, Kubernetes, Helm, Jenkins, CI/CD Pipelines

**Testing & Quality:** JUnit, Mockito, Cucumber (Component Testing), Contract Testing, SonarQube, Code Reviews

## Experience

**Tata Consultancy Services, 2016 - Current**

**Client: Amex**

**Assistant Consultant – Technical**

Driving reactive system design to improve performance, throughput, and resource utilization.

Leading a development team, conducting design reviews, and enforcing coding and architecture standards.

Collaborating with product owners, architects, and global stakeholders to define technical solutions.

Contributing to CI/CD pipelines, containerization, and deployment automation.

Building high-throughput, non-blocking REST APIs to handle large volumes of financial transactions.

Designing and implementing microservices architecture for scalable and resilient transaction processing.

Integrating the gateway with numerous internal enterprise APIs across the payment ecosystem.

Implementing event-driven communication using Apache Kafka for inter-service messaging and transaction events.

Creating architecture and technical documentation for global teams.

### **Clients: GE Healthcare, Power & Arval BNPP**

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Designed and developed scalable backend services using Java Spring Boot and REST APIs.

Built and enhanced microservices supporting manufacturing, healthcare support, and fleet management domains.

Implemented event-driven workflows to enable asynchronous processing and inter-service communication.

Integrated multiple internal enterprise systems and third-party APIs across business domains.

Applied security best practices including authentication and authorization mechanisms (JWT/OAuth).

Collaborated closely with product owners, SMEs, and global stakeholders to translate business requirements into technical solutions.

Contributed to CI/CD pipelines and automated deployment processes using Jenkins and Docker.

Participated in Agile ceremonies, sprint planning, and cross-team collaboration.

Supported production releases, incident resolution, and post-deployment monitoring.

Produced technical documentation, deployment guides, and knowledge transfer sessions.

Conducted code reviews and mentoring, improving maintainability and engineering best practices.

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### **Nocme Technologies Pvt Ltd, 2015-2016**

#### **Saasvaap Techies Pvt Ltd, 2014–2015**

#### **AlignMinds Technologies Pvt Ltd, 2012–2014**

Developed full-stack web applications using PHP, Angular, Node.js, MySQL, MongoDB, HTML, CSS, and JavaScript/jQuery.

Led a 5-member development team for an online gold e-commerce platform, driving technical decisions and conducting code reviews.

Built and maintained solutions including a gold e-commerce platform, book printing & publishing system, stock photo sharing & e-commerce platform, and a real-time hospitality chat application.

Participated in the full software development lifecycle, from requirements gathering to deployment and ongoing support.

Designed and implemented database schemas, REST integrations, and core backend features.

Collaborated directly with clients and stakeholders to translate business requirements into technical solutions.

Performed bug fixing, performance improvements, and production support.

Contributed to team coordination, sprint planning, and knowledge sharing.

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### **Education**

Diploma in Software Engineering (3-year regular), 2009–2012

Govt Polytechnic College Kaduthuruthy, Kerala, India

### **Accomplishments**

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Certified in Professional Scrum Product Owner™ II (PSPO II)

Various on-the-spot awards and customer appreciations.