

Muhammed Shemeel | Lead Software Developer

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📍 Dubai, United Arab Emirates



PROFILE SUMMARY

Experienced **Full Stack Java Developer** with over **7+ years** of expertise in architecting, developing, and maintaining **scalable, high-performance** enterprise applications using **microservices** architecture and **AI-powered development tools**. Proficient in translating business requirements into technical solutions, with extensive experience in **hybrid cloud** deployments, **DevOps** practices, and cross-functional collaboration. Known for strong problem-solving skills, peer code reviews, and delivering **secure, observable** solutions aligned with business needs.

SKILLS

Programming & Architecture

- **Languages & Frameworks:** Java, Go Lang, JavaScript, Spring Boot, Spring Cloud, Quarkus, Hibernate
- **Architecture:** Microservices/Micro Frontend Architecture with functional programming paradigms
- **Frontend:** React JS, React Native, Redux, Typescript

AI-Powered Development

- **AI Development Tools:** Cursor, Windsurf, Lovable, GitHub Copilot, ChatGPT, Claude for code generation, debugging, and automated testing

Testing

- **Testing Frameworks:** JUnit, Mockito, Cucumber for BDD testing

DevOps & Cloud Technologies

- **GitOps & CI/CD:** Jenkins, Git, Bitbucket with automated deployment workflows
- **Cloud Platforms:** Azure, AWS for hybrid multi-region deployments
- **Containerization:** Docker, Kubernetes, OpenShift
- **Observability:** ELK Stack, Prometheus, Grafana for monitoring and tracing

Database & Frontend Technologies

- **Databases:** Oracle, MySQL, PostgreSQL, MongoDB
- **Collaboration:** Jira, Confluence, Slack, Agile methodologies
- **Servers:** JBoss, Apache Tomcat

Core Competencies

- Software **design patterns, problem-solving, analytical skills**, team collaboration

WORK EXPERIENCE

Network International LLC

Technical Specialist

Aug. 2023 – Present

Dubai, UAE

Product:

N-Genius One is a digital acceptance solution that supports multiple payment acceptance methods in a single mobile app. N-Genius One offers

- Pay-by-QR
- Pay-by-Link
- Tap-To-Pay (iOS and Android)
- Create Invoice

Roles and Responsibilities:

- **Spearheaded Apple Tap to Pay launch in the UAE** as the **first regional provider**, architecting scalable microservices with functional programming principles and upgrading critical systems (Keycloak, Java, Spring Boot) for enhanced performance and security.
- **Contributed to enterprise-grade hybrid cloud solutions** with multi-region scalability and comprehensive observability using Grafana, Prometheus, and ELK, Supported implementation of GitOps practices for automated deployment pipelines across distributed microservices.
- **Delivered comprehensive technical solutions** by translating business requirements into scalable architectures, developing RESTful APIs with Java Spring Boot and Swagger, and building high-performance mobile features using React Native and Redux.
- **Led high-performing development teams** through Agile/Kanban methodologies, conducting code reviews, mentoring junior developers, and consistently delivering timely solutions while maintaining high system availability in production environments.
- **Boosted development efficiency by 50%** through **AI-powered tools** for code generation, debugging, and unit testing, while establishing **testing frameworks** with QA teams using JUnit, Mockito, and Cucumber BDD for intelligent test automation.

Tools & Technologies:

Java, Kotlin, JavaScript, Spring-boot, Spring-cloud, Spring-Data-JPA, Quarkus, React JS, OAuth, Keycloak, REST, Kafka, Kafka-streams, Swagger, Consul, Maven, Jenkins, Docker, Kubernetes, Postman, Git, Bit-bucket, MySQL, MongoDB, Junit, Mockito, Jira, Confluence, IntelliJ Idea, Kibana, Prometheus

AI Tools: Cursor, Lovable, ChatGPT, Claude, Ollama

N-Genius Transaction Manager (TM) is a principal component of Network International's payment architecture, responsible for all external and internal integrations. TM handles all third-party integrations such as **Base24, CompassPlus, AANI, NPCI, VISA TerraPay, and ChinaUnionPay**. The TM employs a microservices architecture written in Go.

Roles and Responsibilities:

- **Developed critical payment processing features** for the Transaction Manager platform using Go, implementing EMV transactions through Base24 integrations and establishing API connections with AANI, NPCI, VISA, and other financial institutions.
- **Optimized system performance** through database query optimization and efficient coding practices, significantly reducing latency and improving transaction processing speeds.

- **Maintained high code quality standards** through comprehensive unit testing, active participation in peer code reviews, and collaborative feedback within cross-functional development teams.

Tools & Technologies:

Go Lang, Javascript, Jenkins, Shell script, MySQL, MongoDB

LTIMindtree

Specialist – Software Engineering

Mar. 2022 – Jul. 2023

Coimbatore, TN, India

Client:

Allegiant Air is an American ultra-low-cost airline that operates scheduled and charter flights. As part of the Viva Navitaire initiative, the legacy booking system is deprecated & upgraded to a new microservices architecture to integrate with Amadeus Navitaire

Roles and Responsibilities:

- **Designed and developed scalable microservices and micro frontend solutions** adopting functional programming styles, implementing RESTful web services using Spring Boot with comprehensive Swagger API documentation for seamless integrations.
- **Ensured high code quality** through comprehensive unit testing using JUnit and Mockito, implementing best practices including design patterns, modularization, and refactoring to maintain robust and maintainable codebases.
- **Led Agile development initiatives** using Scrum and Kanban methodologies, conducting thorough code reviews and mentoring junior developers to ensure adherence to coding standards and foster team growth.
- **Collaborated effectively with QA teams** to identify and resolve defects, ensuring timely delivery of high-quality software while maintaining rigorous testing standards and quality assurance processes.
- **Engaged directly with customers** to understand business requirements and resolve production issues efficiently, ensuring customer satisfaction and continuous improvement of software solutions.

Tools & Technologies:

Java, Spring-boot, Spring-cloud, Spring-Data-JPA, Spring-webflux, REST, Kafka, Kafka-streams, GraphQL, Swagger, Consul, Maven, Jenkins, Docker, OpenShift, SonarQube, Fortify, JBoss, Tomcat, Postman, Git, Bit-bucket, MySQL, Junit, Mockito, Jira, Confluence, IntelliJ Idea

IBS Software Pvt Ltd

Senior Product Engineer

Apr. 2019 – Mar.2022

Cochin, KL, India

Product:

iCargo implementation for Japan Airlines (JAL): Deployed IBS Software's comprehensive cargo management system providing end-to-end cargo lifecycle visibility from booking to delivery with real-time shipment **tracking** and monitoring. Built on modern microservices architecture with APIs and cloud computing for scalable, flexible operations meeting evolving industry demands

Roles and Responsibilities:

- **Collaborated with cross-functional teams** including customer, product management, and QA teams to understand user requirements, translate business needs into technical solutions, and ensure high-quality product delivery through Agile development methodologies.
- **Architected and developed new features** for the iCargo operations module, creating scalable solutions that meet customer requirements while adhering to coding standards and ensuring optimal performance and reliability.
- **Built responsive user interfaces** using modern front-end technologies including JSP, JavaScript, ReactJS, and Redux, delivering seamless user experiences across the iCargo platform.
- **Developed robust backend services** by implementing RESTful web services using Java and Spring framework, ensuring seamless integration between UI and backend systems with proper API architecture.
- **Enhanced code quality and system reliability** through implementation of design patterns, modularization, refactoring practices, and proactive customer support to resolve production issues efficiently while maintaining high performance standards

Tools & Technologies:

Java, JavaScript, Spring-boot, Spring-Data-JPA, ReactJS, Redux, REST, Swagger, Jenkins, Docker, SonarQube, WebLogic, JBoss, Tomcat, Postman, Git, Bit-bucket, Oracle SQL, PostgreSQL, Junit, Mockito, Jira, Confluence, Eclipse

Allianz Technology

Software Engineer

Sep. 2017 – Apr.2019

Trivandrum, KL, India

Client:

Allianz UK Claims:

GDF (Global Digital Factory): Allianz's digital innovation unit driving cutting-edge solutions for enhanced business operations and customer experiences. **Architected a comprehensive integration platform** featuring 15 web services that seamlessly connect Angular and AEM frontend applications to Guidewire Claims Center and Coronet systems through intelligent JSON-to-SOAP/REST translation and transformation services.

Roles and Responsibilities:

- **Engineered robust REST APIs** using Java and Spring framework to seamlessly integrate multiple systems with Guidewire Claim Center application, enabling streamlined data flow and enhanced system interoperability.
- **Ensured exceptional code quality** through comprehensive unit testing and strategic debugging methodologies, proactively identifying and resolving critical bugs to maintain optimal API performance.
- **Orchestrated cross-functional collaboration** with development teams to guarantee flawless API integration, fostering seamless communication and ensuring successful project delivery across all stakeholders.
- **Streamlined deployment processes** by actively supporting build and deployment pipelines, ensuring reliable application delivery and maintaining high system availability across production environments.

Tools & Technologies:

Java, Spring, REST, SOAP, Swagger, Jenkins, JBoss, Tomcat, Postman, Git, Bit-bucket, Junit, Mockito, Jira, Confluence, JBoss developer studio

EDUCATION

University of Calicut

BTech, Electronics & Communication Engineering

Apr 2016

- CGPA: 7.33/10

VISA STATUS

Resident Visa Dubai

ADDITIONAL INFORMATION

Dubai driving license holder

Have Self transportation