Ijaz Ahmed V A

+91-9841299422 | ijazahmed619@gmail.com | linkedin.com/in/ijazahmedva | Chennai, India

PROFESSIONAL SUMMARY

Azure and AWS-trained Senior Java Backend Developer with **5+ years of experience** architecting **scalable microservices** and leading **cloud migration initiatives**. Proven track record of delivering high-impact projects including **cross-platform vehicle migration architecture**, **cost optimization solutions (35% savings)**, and **next-generation electric vehicle platforms**. **Multiple award winner** with expertise in Java, Spring Boot, AWS, and RESTful APIs. Strong collaborator with **international experience** and consistent recognition for technical innovation and team leadership.

TECHNICAL SKILLS

Languages: Java, JavaScript, SQL
Frameworks & Libraries: Spring Boot, Spring MVC, Hibernate, JUnit, Mockito, Node.js, Alexa Skills Kit
Cloud & AWS: Lambda, DynamoDB, S3, API Gateway, Textract, CloudWatch, EC2, IAM, Cloud Migration
Databases: PostgreSQL, DynamoDB, MySQL
Tools & Technologies: Maven, Git, JIRA, REST APIs, Microservices, Docker, Agile/Scrum, CI/CD
Development Tools: Spring Tool Suite, VS Code, Eclipse, IntelliJ IDEA

PROFESSIONAL EXPERIENCE

Senior Engineer — April 2024 – Present
Renault Nissan Technology & Business Centre India — *Chennai, India*

- Contribute to backend development for **Global Connected Car Cloud platform** integrating **71+ distributed components** supporting real-time vehicle telemetry and data processing across multiple regions
- Architected and implemented **scalable multi-tenant data isolation strategy** using **Strategy Pattern** and inheritance-based design, enabling seamless onboarding of new automotive brands with minimal code changes and **zero data cross-contamination**
- Led major vehicle service lifecycle refactoring initiative, designing **extensible base entity architecture** that **reduced code duplication by 60%** and enabled future brand integration through pluggable implementations
- Engineered **dynamic brand routing mechanism** using request header-based strategy selection, allowing system to intelligently route requests to brand-specific implementations while maintaining unified API interface
- Spearheaded cross-platform vehicle migration initiative, architecting robust microservices infrastructure that enabled seamless digital experience for **50,000+ customers** across multiple vehicle brands with **zero downtime** (**Sprint Star Award Q2 FY'25**)
- Served as **technical liaison** during **3-month onsite assignment at Nissan Global Headquarters in Yokohama, Japan (Nov 2024 - Jan 2025)**, aligning architectural roadmaps with international stakeholders and contributing to electric vehicle program MVP delivery (**Champions Crew Award FY'24**)
- Drove major platform **cost optimization initiative reducing cloud infrastructure expenses by 35%** through efficient resource allocation and architectural improvements (**Dream Team Award FY'24**)
- Implemented **OCR-based fuel receipt processing using AWS Textract**, automating data entry and **reducing processing time by 85%** while improving accuracy to 95%

Engineer & Graduate Engineer — January 2021 – April 2024
Renault Nissan Technology & Business Centre India — *Chennai, India*

- Designed and deployed **production-grade REST APIs** for mobile application backend using **Spring Boot, JPA, and PostgreSQL**, serving **3,000+ active users**
- Built **voice-enabled features** integrating **Amazon Alexa Skills and Google Actions**, enhancing user accessibility and expanding platform capabilities to voice interfaces
- Established comprehensive unit testing framework using **JUnit and Mockito**, achieving **85%+ code coverage** and **reducing production defects by 60%**
- Demonstrated leadership readiness during executive visits, earning **Phoenix Award** for exceptional preparation and technical presentation skills
- Established **Java and Spring Boot coding standards** across engineering teams, improving code quality metrics and **reducing technical debt by 30%**
- Conducted technical training sessions on cloud services and voice assistant development, achieving **4.6/5 satisfaction rating** and upskilling 25+ engineers

Quality Services Associate   July 2020 – November 2020
Amazon Development Centre India   *Chennai, India*
- Performed comprehensive testing of **Alexa Mobile Application** across multiple devices, identifying **50+ critical bugs** and improving product quality
- Created detailed test cases and test data for integration testing, ensuring robust interoperability between system components
- Documented software requirements and user stories using JIRA, enhancing requirement clarity and cross-functional collaboration

Software Engineering Intern   December 2019 – May 2020
Altran (Capgemini Engineering)   *Chennai, India*
- Developed **IoT-based home automation solution** using **ESP32, Arduino, and Raspberry Pi**, implementing real-time device communication and control
- Implemented **MQTT messaging protocol** for efficient device-to-device communication and gained hands-on experience with **LwM2M (Lightweight M2M)** protocol for IoT device management
- Gained practical experience in embedded systems programming and IoT architecture design during 6-month internship

EDUCATION

B.S. Abdur Rahman Institute of Science & Technology   Chennai, India
Bachelor of Technology in Electronics and Communications Engineering, CGPA: 8.1/10   *June 2016 – June 2020*

CERTIFICATIONS

Active Certifications:
Microsoft Certified: Azure Fundamentals (H524-1336)
Microsoft Certified: Azure AI Fundamentals (H824-4822)

PREVIOUS CERTIFICATIONS

AWS Certified Solutions Architect – Associate (Validation: E7CWV7RJF21EQL96)

INNOVATION & RECOGNITION

Sprint Star Award (Q2 FY'25): Strategic contribution to cross-platform vehicle migration ensuring seamless customer experience
Dream Team Award (FY'24): Major platform cost optimization reducing infrastructure expenses by **35%**
Champions Crew Award (FY'24): Key contributor to electric vehicle program MVP delivery
Phoenix Award (FY'24): Leadership readiness and technical excellence during executive engagement
Innovation Service Gold Award (FY'22): Outstanding contribution in AI-driven customer experience enhancement
3-Time Hackathon Winner: Cricket Code Champions (Honorable Mention, **1,762 teams**) – developed accessibility solutions for visually impaired users; Bengaluru Open Mobility Challenge (**70,980 teams**) – innovative urban mobility solution; ISIT Tech Fest Code Hackathon (2022)
Star of the Month: Complete ownership of OCR-based fuel log solution from ideation to production
Learning Week Tech Quiz Winner (2021)

ADDITIONAL INFORMATION

International Experience: 3-month collaboration at Nissan Global Headquarters, Yokohama, Japan
Languages: English (Professional), Tamil (Native), Hindi (Conversational)
Interests: Competitive sports (Table Tennis runner-up in company tournament), hackathons