

# Tanveer Ahmad

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## PROFESSIONAL SUMMARY

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Experienced Java Backend Developer and Full-Stack Software Engineer with 10+ years of experience designing, developing, and deploying high-performance microservices and scalable enterprise applications. Proven expertise in building robust RESTful and SOAP services, optimizing system performance, and delivering results-oriented solutions across cloud and on-premise environments. Highly skilled in Java, Spring Boot, and relational databases including SQL Server and PostgreSQL, with hands-on experience in automation, mentoring engineering teams, and Agile collaboration across diverse domains such as automotive, ERP, and POS systems.

## TOP SKILLS

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Software Engineering · Algorithms · Microservices · Team Building · Mentoring Engineers · Cloud Computing · Agile Collaboration

## TECHNICAL SKILLS

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**Languages:** Java 8, Java 11, Java 17, SQL

**Frameworks:** Spring Boot, Spring Security, Spring WebFlux, Spring Batch, Spring MVC, Hibernate, JPA

**Testing:** JUnit, Mockito, TDD

**Databases:** RDBMS (MySQL, PostgreSQL, SQL Server, Oracle), NoSQL (MongoDB, DynamoDB)

**Cloud & DevOps:** Azure DevOps, Docker, Kubernetes, Jenkins

**Messaging & Streaming:** Kafka, WebSocket, gRPC, RabbitMQ

**APIs & Networking:** SOAP, RESTful API Design, GraphQL, JSON, API Gateway

**Tools & Platforms:** Git, Maven, JIRA, ELK Stack, Elasticsearch, DataDog, Redis, Postman, Swagger, CQRS, OAuth2, JWT, IBM ESB

**Web Technologies:** HTML, CSS

**Core Java:** Multithreading, Concurrency, Design Patterns, Data Structures & Algorithms

## PROFESSIONAL EXPERIENCE

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### Senior Software Engineer – Java | Ciklum | 08/2018 – 08/2025

- Designed and developed SOAP/REST APIs and microservices for Audi, Škoda, Porsche, SEAT, and Volkswagen Group products within Semler IT, ensuring scalability and fault tolerance.
- Built and optimized scalable backend microservices using Java 8 and Spring Boot within a custom in-house framework, delivering modular and maintainable solutions.
- Monitored microservice performance via IBM ESB across multiple business domains, identified services exceeding 100ms, and implemented targeted optimizations reducing response times to under 20ms — an 80%+ improvement.
- Optimized SQL Server database performance via query tuning and batch processing for high-volume automotive data.
- Integrated multiple external systems and third-party APIs to support end-to-end automotive business workflows.
- Implemented Kafka pipelines for real-time event-driven data transfer between automotive systems and enterprise platforms.
- Automated CI/CD pipelines using Azure DevOps to streamline build, test, and deployment workflows.
- Participated in Agile ceremonies including sprint planning, daily standups, and progress tracking.
- Conducted code reviews to ensure code quality, consistency, and adherence to best practices.
- Mentored junior developers, led architecture discussions, and collaborated with clients and cross-functional teams to deliver API enhancements and production support across automotive domains.

## Software Developer – Java | Digital Research Labs, Pakistan | 07/2015 – 07/2018

- Contributed as a core developer on multiple products within the Honeycomb ERP suite, including Honeycomb ERP Lite, Finance, CRM, and POS modules.
- Developed and customized business workflows and ERP features using Java, EJB, and PostgreSQL to meet client-specific requirements.
- Built and customized Jasper Reports to deliver accurate, client-ready business reporting and data insights.
- Led the support team to ensure smooth and timely client support, proposing practical solutions aligned with business needs.
- Collaborated with clients to gather requirements and translate them into functional ERP enhancements and configurations.
- Mentored junior team members and contributed to knowledge sharing within the development team.

## PROJECTS

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### Akadia | Java Backend Developer

- **Developed a centralized enterprise platform** using **Java** and **Spring MVC** to automate fragmented business processes and synchronize data across multiple departments.
- **Architected and implemented a suite of RESTful APIs**, reducing manual data entry and streamlining internal workflows through a modular system design.
- **Optimized MySQL query performance** for high-traffic endpoints and implemented robust server-side validation to ensure 100% data integrity for complex operations.
- **Scaled system architecture** to accommodate evolving business requirements, ensuring high availability and system reliability.
- **Technologies:** Java, Spring MVC, REST APIs, MySQL, Spring Boot.

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### Smart Attendance System | Software Engineer

- **Designed and deployed a secure web-based attendance solution** utilizing **biometric (thumbprint) verification** to replace manual logging systems.
- **Engineered a scalable backend** capable of handling large-scale fingerprint data, achieving near-instant verification for a high volume of concurrent users.
- **Integrated hardware-to-software communication** for seamless biometric scanning, utilizing **Spring MVC** to manage high-session traffic.
- **Developed automated reporting modules** that provided real-time tracking for HR teams, significantly reducing payroll discrepancies and administrative overhead.
- **Technologies:** Java, Spring MVC, SQL Server, Biometric API Integration, JDBC.

## EDUCATION

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**Master of Science, Computer Science** | Maharishi International University, USA | 04/2028

**Bachelor of Science, Computer Science** | Hazara University, Pakistan | 08/2015