

Awais Waheed

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SUMMARY

Software Engineer with 5 years of experience building **scalable, high-performance backend systems** and designing **microservices** and **distributed architectures**. Skilled in **REST services**, **data persistence**, and **third-party integrations** in retail, ERP, and social domains. Proficient in **Java**, **Spring Boot**, **Hibernate**, **MySQL**, **AWS**, **Kubernetes**, **Kafka**, and frontend with **React.js** and **TypeScript**. Experienced in **Agile SDLC** and cross-team collaboration to deliver maintainable, scalable software.

TECHNICAL SKILLS

Languages: Java, C++, TypeScript

Web Services: REST, API Design and Integration, RESTful APIs, Swagger

Web/App Servers: Apache, Tomcat

Frameworks: Spring Boot, Hibernate, Joget Workflow, Java Persistence API (JPA), Nest.js, React.js, Swagger, Advanced Installer, JNI, Windows Biometric Framework

Databases: MySQL, PostgreSQL, Amazon RDS, MongoDB, NoSQL

Design Patterns: Singleton, Factory, Builder, Dependency Injection (DI), Repository Pattern, Observer, DAO (Data Access Object), Prototype, Adapter, Bridge, Decorator, Facade, Chain of Responsibility, Command, Template Method

SDLC: Agile, Scrum, Continuous Integration/Continuous Deployment (CI/CD), Requirement Analysis, Design and Architecture, Testing, Deployment, Technical Documentation

Tools: Postman, Maven, Git, Jenkins, Kubernetes, Swagger, AWS CodeCommit, Advanced Installer, Apache Kafka, Docker, Stripe, IntelliJ IDEA, AWS, JIRA, Confluence

Testing: JUnit, Mockito

Platforms: Windows, AWS Cloud

Key Competencies: Strategic System Architecture, Problem Solving and Critical Thinking, Performance Tuning and Optimization, Scalable Software Design, Process Automation, Test-Driven Development (TDD), Data Modeling and Persistence

Emerging Technologies: Python, LangChain, Generative AI, LLM Integrations, Prompt Engineering, RAG (Retrieval-Augmented Generation), Data Pipelines, ETL Workflows

PROFESSIONAL EXPERIENCE

Confiz Ltd.

Remote — Bellevue, WA, USA

Senior Software Engineer

Jun. 2025 – Jul. 2025

- Participated in an accelerated internal training program focused on **Python**, **LangChain**, and **Generative AI** development.
- Gained hands-on experience with **LLM integrations**, **prompt engineering**, and tools for **rapid AI prototyping**.
- Built mini-projects involving **data pipelines**, **ETL workflows**, and basic orchestration tools.
- Explored applications of LangChain for **retrieval-augmented generation (RAG)** and intelligent automation.
- Demonstrated fast learning and adaptability by ramping up on cutting-edge AI frameworks and tools.

Confiz Ltd. (Client: Walmart)

Islamabad, Pakistan

Senior Software Engineer & Consultant

Oct. 2022 – July 2024

- Contributed to designing a scalable **microservices architecture**, decoupling **workorders**, **items & products**, **tracking**, and **internal third-party integrations** for better maintainability, scalability, and independent releases.
- Designed and built a **tracking system** with **Java**, **Spring Boot**, **Hibernate**, and **MySQL** to monitor software updates across **5,000+ stores**, improving efficiency for **U.S. teams**.
- Collaborated with **U.S. teams** to migrate pharmacy software to a **WCNP cloud solution** using **Spring Boot**, **React.js**, **AWS CI/CD**, and **RESTful APIs**, streamlining approvals, updates, and data consistency.
- Managed **Kubernetes** and **Jenkins CI/CD pipelines**, ensuring smooth rollouts and high availability across **5,000+ stores**.
- Integrated **Kafka** for **real-time messaging** to synchronize updates across distributed systems.
- Implemented **Splunk** dashboards and alerts to monitor key system events and boost **operational reliability**.
- Improved release quality using **SonarQube**, **Snyk**, and automated testing with **JUnit** and **Mockito**, enabling safe rollbacks.

Funavry Technologies

Islamabad, Pakistan

Software Developer

Apr. 2021 – Sep. 2022

- Built **RESTful APIs** with **Java**, **Spring Boot**, and **Hibernate** to integrate DTAC's ERP with Coupa, cutting integration effort by **40%**.
- Implemented **JUnit** tests for DTAC's ERP APIs to ensure reliability, minimizing **defects** in integrations.

- Provided on-call support in the **hyper-care team**, resolving issues within **SLAs** to maintain **99.99% uptime**.
- Streamlined **Jenkins-based CI/CD pipelines** to minimize deployment failures and **speed up release cycles**.
- Designed **RESTful API architecture** for a job portal using **Nest.js** and **TypeScript**, leading requirement gathering to cut delivery time by **45%**.
- Led the backend team and developed both backend and frontend modules for the job portal using **Spring Boot** and **React.js**, enhancing **user experience** and system performance.
- Created a secure **payment system** with **Stripe** for the job portal, adding **escrow** to improve transaction reliability.

Care Pvt. Ltd.

Islamabad, Pakistan

Design Engineer

Sep. 2019 – Mar. 2021

- Developed multiple custom **plugins** for Joget Workflow using **Java** and **Spring Boot**, enhancing ERP systems with features like basic charts, GANTT charts, and file uploads, significantly improving **operational efficiency**.
- Expanded functionality of Joget's GRID element by implementing row-level actions using **Java**, greatly increasing user interaction speed and data manipulation efficiency.
- Developed a **biometric authentication system** with end-to-end encryption, integrating **C++ DLLs** with Java via **JNI** and using SourceAFIS for fingerprint matching, achieving high accuracy and markedly improving reliability.
- Built a Windows background authentication service with **Spring Boot**, integrating **Windows Biometric Framework** and packaging with Advanced Installer, notably reducing setup time and enhancing **scalability**.

KEY PROJECTS

GPH Carbon (Walmart Pharmacy Updates)

Confiz Ltd.

Contributed to upgrading the HQ master pharmacy software to a **cloud-based solution**, managing workorder approvals and update packages for stores nationwide.

I3 Integrations (DTAC Thailand ERP)

Funavry Technologies

Collaborated on **integrating** DTAC Thailand's ERP with platforms like Coupa for operational efficiency.

The Influencer Group

Funavry Technologies

Led **backend team** for a social media job portal connecting influencers and brands.

Custom ERP Solution

Care Pvt. Ltd.

Contributed key functionality to a tailored ERP with custom **plugins** for improved operations.

Biometric Module

Care Pvt. Ltd.

Created a device-agnostic **biometric authentication system** for secure employee verification.

ADDITIONAL EXPERIENCE AND PROJECTS

MarketPlace Pro | *Java, Spring Boot, React, PostgreSQL, AWS*

Built a **full-stack e-commerce platform** with user roles, product management, order tracking, **payment integration**, JWT authentication, lazy loading, and S3 file uploads, deployed on **AWS**.

Event Management System | *Java, Spring Boot, React, PostgreSQL, AWS*

Created a **full-stack event platform** with user roles, event management, ticket booking, **payment integration**, JWT, dynamic search, **JMS messaging**, and pessimistic locking, deployed on **AWS** with MySQL.

Expense Tracker | *Spring Boot, React, PostgreSQL*

Built a full-stack expense tracker with expense management (add, edit, delete, filter), featuring a user-friendly UI and **efficient APIs**.

Dictionary | *Spring Boot, React, SQLite*

Developed a dictionary app with word search, definitions, and top-searched word tracking, optimized for **performance**.

EDUCATION

Maharishi International University

Fairfield, IA

Master of Science in Computer Science

Apr. 2027

SEECS, NUST

Islamabad, PK

Bachelor of Science in Computer Sciences

May 2019