

Awais Waheed

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SUMMARY

Software Engineer with 5 years of experience building and optimizing **scalable, high-performance backend systems**. Expert in designing **REST services**, **data persistence**, and **third-party integrations** across retail, ERP, and social media domains. Skilled in **Java**, **Spring Boot**, **Hibernate**, **MySQL**, and **RESTful APIs**, with experience in **Kubernetes**, **AWS**, and **Kafka**. Proficient in **SDLC**, **Agile**, and cross-functional collaboration, delivering quality software aligned with business goals.

TECHNICAL SKILLS

Languages: Java, C++, TypeScript

Web Services: REST, API Design and Integration

Web/App Servers: Apache, Tomcat

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

Databases: MySQL, PostgreSQL, Amazon RDS

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

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

PROFESSIONAL EXPERIENCE

Confiz Ltd. (Client: Walmart)

Islamabad, Pakistan

Senior Software Engineer & Consultant

Oct. 2022 – Aug. 2024

- Built a **tracking system** with **Java**, **Spring Boot**, **Hibernate**, and **MySQL** to monitor Walmart's headquarters-deployed pharmacy software updates across 5,000 stores, syncing with **U.S. teams**, enhancing **efficiency**.
- Worked with **U.S. product teams** to upgrade Walmart's headquarters-deployed pharmacy software to a **cloud-based solution** using **React.js**, **Spring Boot**, and **AWS**, managing workorder approvals and update packages (e.g., price, tax, name changes) for stores nationwide, boosting **performance**.
- Streamlined Walmart's headquarters-deployed software workflows with **Spring Boot**, **Hibernate**, and **RESTful APIs** to ensure data integrity, aiding **U.S. team** reviews.
- Oversaw Walmart's headquarters-deployed software deployments with **Kubernetes** and **Jenkins** to maintain uptime, aligning with **U.S. teams**.
- Integrated **Kafka** into Walmart's headquarters-deployed software for **real-time messaging** to optimize update sync, collaborating with **U.S. product teams**.
- Partnered with **U.S. teams** via **Git**, **Maven**, and **Scrum** to deliver quality Walmart headquarters-deployed software on schedule.

Funavry Technologies

Islamabad, Pakistan

Software Developer

Apr. 2021 – Sep. 2022

- Developed **RESTful APIs** using **Java**, **Spring Boot**, and **Hibernate** to integrate DTAC Thailand's ERP with platforms like Coupa, reducing integration effort by **40%**.
- Optimized inter-service communication with **Apache Kafka** and **AWS SQS**, enhancing system **stability** and data exchange **efficiency**.
- Led the **RESTful API architecture** design for a social media job portal using **Nest.js** and **TypeScript**, overseeing requirement gathering and strategic decisions, reducing project delivery time by **45%**.
- Built a secure full-cycle **payment system** with **Stripe** for the job portal, adding **escrow functionality** to improve transaction security and reliability.

- Provided on-call support as part of the hyper-care team, resolving issues within **SLA timeframes** and maintaining **99.99% system uptime**.
- Managed and optimized **Jenkins-based CI/CD pipelines**, reducing deployment failures and speeding up **release cycles**.

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