

Awais Waheed



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Synopsis of Professional Skills

Java Backend Development

4 years

Proficient in developing robust backend systems using Java, Spring Boot, and Hibernate, with experience in creating RESTful APIs, implementing microservices architecture, and integrating with databases like MySQL.

System Architecture and Design

1 year

Skilled in designing scalable microservices architectures, implementing data persistence systems, and integrating third-party services for enhanced functionality.

Cross-functional Team Leadership

8 months

Adept at leading development teams, driving QA processes, and facilitating Scrum ceremonies.

Work History

Confiz Limited

Senior Software Engineer (October 2022 – August 2024) - Lahore, Pakistan

Project: GPH Carbon (18 months – Remote)

initiative is to re-envision and re-architect the current Pharmacy UI application of a USA based retail chain into a cloud-based solution.

- Facilitated key scrum ceremonies, including sprint retrospectives and daily stand-ups, while serving as a liaison between development teams and upper management to ensure project alignment.
- Developed and deployed an automated tracking system to monitor package status across 5000 stores in real time, centralizing data for enhanced visibility and operational efficiency.
- Engineered and implemented robust validation and persistence systems for product catalogs, pricing structures, and vendor information, integrating seamlessly with internal approval workflows to ensure data integrity and compliance
- Created a scheduled job that
- Led cross-functional teams in end-to-end QA, engineering, and hyper-care processes while managing timely production deployments and driving swift issue resolution within SLA parameters.

Tools and Technologies: JDK 11, Spring Boot, Hibernate, MySQL, Rest APIs, Postman, Maven, GIT, Kubernetes.

Funavry Technologies

Software Developer (April 2021 – September 2022) - Islamabad, Pakistan

Project: I3 Integrations (9 months - Remote)

Integrated the custom ERP system for DTAC Thailand with other software such as Coupa.

- Developed six distinct microservices for background job processing, data transformation, and ERP integration, enhancing system modularity and scalability
- Implemented Apache Kafka to enhance inter-service communication, improving stability and efficiency across multiple microservices.
- Created comprehensive documentation for all microservices
- Served on a hyper-care team, providing on-call support and resolving issues within SLA-defined timeframes to ensure system reliability and customer satisfaction

Tools and Technologies: Java, Spring Boot, Hibernate, MySQL, Rest APIs, Amazon Web Services, Maven, Git

Project: The Influencer Group (7 months)

A social media specific job portal for Influencers and brands

- Spearheaded microservices architecture design within a monorepo structure, leading requirement gathering sessions and driving strategic decisions to align technical solutions with business objectives.

- Orchestrated the development and deployment of scalable backend services, overseeing a team of developers to ensure efficient delivery and adherence to project timelines.
- Designed and implemented a comprehensive user management system, including automated email notifications.
- Developed a full-cycle payment system with escrow functionality and bi-directional transaction capabilities.
- Managing and designing deployment pipelines.
- Established and enforced coding best practices, including tool selection guidelines and creation of reusable boilerplate code for critical functionalities.

Tools and Technologies: Nest.js, Typescript, Swagger, MySQL, AWS CodeCommit, Jenkins, Stripe

Project: Taboor QMS (2 months)

A comprehensive Queue Management System for optimizing customer flow and service efficiency across kiosks and counters in high-traffic environments.

- Implemented bug fixes and developed new features to meet evolving project requirements and enhanced system functionality.

Tools and Technologies: Java Spring Boot, Hibernate, and Java Persistence API

CARE Pvt. Ltd.

Design Engineer (September 2019 – March 2021) - Islamabad, Pakistan

Project: Custom ERP Solution (7 months)

- Developed multiple custom plugins for Joget Workflow, an open-source BPM platform, and enhanced ERP systems with features such as basic charts, GANTT charts, and file uploading capabilities.
- Expanded functionality of Joget's GRID element by implementing various row-level actions, improving user interaction and data manipulation within workflow applications.

Tools and Technologies: JDK 1.8, Apache Tomcat, Spring Boot, Hibernate, MySQL, RESTful, Maven, GIT

Project: Biometric Module (1 year)

This module's purpose was to develop a device-agnostic biometric authentication system that verifies employees' fingerprints against an encrypted online database from a web application.

- Developed a comprehensive biometric authentication system, integrating DLLs with a Java application via JNI, implementing the SourceAFIS algorithm for fingerprint matching, and creating a JavaScript library for web connectivity, ensuring end-to-end encryption of sensitive data.
- Architected and implemented a Windows background service using Spring Boot for authentication and authorization, bundled with a one-click installer for streamlined large-scale deployment.

Tools and technologies: C++, Java, Spring Boot, Windows Biometric Framework, Java Native Interface (JNI), Advanced Installer

Bently Systems

Intern – (July 2019 – August 2019) Islamabad, Pakistan

Project: AutoPipe

AutoPipe is a Bentley Systems product that is a comprehensive and advanced software tool specialized in pipe stress analysis.

- Contributed to a company-wide initiative to synchronize local applications with proprietary cloud solutions, focusing on researching integration techniques and developing proof of concept.

Tools and Technologies: NodeJS, GIT, Typescript.

Education

MS in Computer science (August 2024 – Present)

Maharishi International University, Fairfield, Iowa

BS in Computer Sciences (2015 – 2019)

National University of Sciences and Technology (NUST), Pakistan