AWAIS WAHEED

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SENIOR JAVA DEVELOPER

Results-driven Software Engineer with 5 years of experience in building and optimizing backend systems for scalability, performance, and reliability. Expertise in designing REST services, streamlining data persistence, and integrating third-party solutions across retail, ERP, and social media domains. Skilled in Java, Spring Boot, Hibernate, MySQL, and RESTful APIs, with additional experience in Kubernetes, AWS, and Kafka. Adept at managing SDLC phases, Agile methodologies, and cross-functional collaboration to deliver high-quality, maintainable software solutions aligned with business goals.

• 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

Languages: Java
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
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
Tools: Postman, Maven, Git, Jenkins, Kubernetes, Swagger, AWS CodeCommit, Advanced Installer, Apache Kafka, Docker, Stripe, IntelliJ IDEA
Platforms: Windows, AWS Cloud

PROFESSIONAL EXPERIENCE

CAREER NOTE: *Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).*

CONFIZ LTD. (Client: WALMART), Islamabad, Pakistan • 10/2022 – 07/2024
Confiz is a global tech services company specializing in digital transformation for retail, CPG, and manufacturing sectors.

Senior Software Engineer
Developed scalable backend systems, led cross-functional teams, and drove cloud-based solution implementations.
- 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.

Technologies Used: *Java, Spring Boot, Hibernate, MySQL, RESTful APIs, Postman, Maven, Git, Kubernetes, Kafka.*

FUNAVRY TECHNOLOGIES, Islamabad, Pakistan • 04/2021 – 09/2022
A multinational tech innovator delivering AI-powered web, mobile, and ERP solutions for global enterprises.
Software Developer
Integrated ERP systems, developed microservices, and enhanced system scalability for clients like DTAC Thailand.
- 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.

Technologies Used: *Java, Spring Boot, Hibernate, MySQL, RESTful APIs, Apache Kafka, AWS, Maven, Git, Nest.js, TypeScript, Swagger, Jenkins, Stripe.*

CARE PVT. LTD., Islamabad, Pakistan ● 09/2019 – 03/2021
An engineering and tech company offering advanced solutions in AI, IoT, cybersecurity, and ERP.

Design Engineer
Design Engineer responsible for developing custom plugins, enhancing ERP systems, and implementing a biometric authentication system for employee verification
- Developed multiple custom plugins for Joget Workflow using Java and Spring Boot to enhance ERP systems with features like basic charts, GANTT charts, and file uploads, improving operational efficiency.
- Expanded functionality of Joget's GRID element by implementing row-level actions using Java to boost user interaction speed, resulting in greater 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 to ensure secure verification, enhancing accuracy and reliability.
- Built a Windows background authentication service with Spring Boot, integrating Windows Biometric Framework and packaging with Advanced Installer to streamline setup, improving scalability.

Technologies Used: *C++, Java, Spring Boot, Windows Biometric Framework, Java Native Interface (JNI).*

ACADEMIC PROJECTS
Maharishi International University (2024)
- **MarketPlace Pro:** Built a full-stack e-commerce platform with user roles, product management, order tracking, and payment integration using Java, Spring Boot, React, and PostgreSQL. Added JWT authentication, lazy loading, and S3 file uploads, deployed on AWS.

- **Event Management System:** Created a full-stack event platform with user roles, event management, ticket booking, and payment integration using Java, Spring Boot, React, and PostgreSQL. Implemented JWT, dynamic search, JMS messaging, and pessimistic locking for data consistency, deployed on AWS with MySQL.

PERSONAL PROJECTS
Expense Tracker (2024): Built a full-stack expense tracker with Spring Boot, React, and PostgreSQL, enabling expense management (add, edit, delete, filter) with a user-friendly UI and efficient APIs.

Dictionary (2023): Developed a dictionary app with Spring Boot, React, and SQLite, featuring word search, definitions, and top-searched word tracking, optimized for performance.

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion 04/2027)
Maharishi International University, Fairfield, Iowa

Key Courses: Enterprise Architecture, Web Application Architecture, Algorithms, Web Programming, Modern Programming Practices

Bachelor of Science in Computer Sciences
SEECS, NUST, Islamabad, Pakistan (05/2019)