



Muhammad Usman

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I am a software engineer with 8 years of experience in designing and developing scalable, complex applications. With a strong problem-solving mindset, I focus on creating innovative solutions that address real-world challenges and help businesses grow by solving their genuine needs. I aim to deliver value-driven solutions that enhance customer satisfaction, empower growth, and build lasting partnerships rooted in trust.

Key strengths include:

- Building resilient and adaptable technical teams.
- Advocating for efficient processes and knowledge documentation.
- Rapid learning, decisive action, and consistent ownership.
- Fostering trust and empathy in partnerships.

I bring expertise in domains like Payment Card Industry (PCI), financial services, CPQ, Big Data (ETL and data pipelines), and retail/e-commerce, while staying open to exploring new areas.

Work Experience

Senior Software Engineer	Alex Solutions, Melbourne	Feb 2023 – Oct 2024
Metadata Management	Remote	
<ul style="list-style-type: none">• I work on the core service of a Metadata Management Framework, focusing on the creation and enhancement of data scanners and connectors to meet the rapidly evolving demands of the data industry.• I have developed and optimized data scanners across multiple platforms and technologies, including:<ul style="list-style-type: none">◦ Optimizing Azure Synapse and Azure Data Factory connectors for custom client requirements, such as SQL query parsing for data lineage.◦ Building Databricks scanners from scratch for both Azure and AWS environments.◦ Enhancing Snowflake capabilities by integrating streams, tagging, and relationship cataloguing.◦ Creating connectors for dbt, Tableau (integrated with Azure SQL and Synapse), PowerBI, Kafka, Azure Storage, and S3, ensuring seamless cataloguing and external lineage across systems.• The tools and technologies I work with include Java 8, Python 3, Akka Streams, SQL, H2, EC2, Groovy Scripting, HOCOON, JUnit, and Maven.		
Software Engineer (III)	Confiz	Jan 2022 – Feb 2023
Big Data team	Lahore, Pakistan	
<ul style="list-style-type: none">• Led an 8-member team, spearheading initiatives to enhance team performance and increase visibility within the organization.• Developed a streamlined onboarding and offboarding process to minimize knowledge gaps during team transitions.• Successfully onboarded and trained over five team members, ensuring they became quickly operational and contributed effectively.• Actively participated in the team evaluation process, providing critical input to management that contributed to colleagues' promotions and professional growth.• As a full-stack developer, responsible for implementing core backend features for an ETL data pipeline project, including Notebook APIs, Airflow integration for various metrics, and resolving critical production bugs within strict SLAs.• Automated testing for complex ETL use cases, significantly reducing manual testing efforts.• Ensured code quality by implementing SonarQube across various services in CI/CD pipelines.• Successfully mitigated security vulnerabilities and code issues across multiple services.		

Software Engineer (ii)**Confiz****Oct 2019 – Dec 2021**

Cloud

Lahore, Pakistan

- Worked as a Full Stack Engineer, responsible for designing, developing, and deploying a Kafka-based error processing system from scratch.
- Contributed to cloud migration, including migrating data, services, and CI/CD pipelines from an on-premise system to Azure Cloud.
- Implemented Test-Driven Development (TDD) practices, achieving 80% code coverage, including all edge cases.
- Solely deployed the error processing system for two new clients, ensuring smooth implementation and integration.
- Assisted in developing a technical onboarding process for new engineers.

Software Engineer**Cloud Card Inc.****Feb 2019 – Oct 2019**

FinTech Team

Lahore, Pakistan

- Worked in the Payment Card Industry (PCI), specializing in designing and developing scalable microservices for payment processing.
- Developed an embedded finance service to handle requests from financial services, such as card creation, payments, and fee management.
- Built over six microservices, including payment processing, fee calculation, card creation, and customer onboarding.
- Implemented queue messaging for asynchronous communication between microservices.
- Utilized AWS, Spring Boot, Spring Cloud, Java, and JavaScript in the development process.

Software Developer (Java)**Trangolabs****Jan 2017 - Feb 2019**

Solution consulting (CPQ)

Lahore, Pakistan

- Worked as a full-stack developer with the Sweden-based client in Customization of their product
- Customized TcSite configurator(CPQ software) that was built on top of the Spring framework for German client WILO.
- Build In-Memory Pub-Sub model for quotation processing.
- Added new features to existing products, fixed bugs, and gave production support to older projects.
- Utilized Agile methodologies to analyze, design, code, test and deliver project deliverables.

Education and Certifications

- **BS Computer Science**, University of Punjab, Pakistan.

2012–2016**Technologies and Languages**

- Languages: Java, Java8, JavaScript, React JS, JQuery, Kotlin, Groovy, MySQL, SQL, Oracle, Python 3
- BigData: Snowflake, Databricks, Azure Synapse, Azure Data factory, Kafka
- Frameworks Spring, Spring Boot, Spring Cloud, NodeJs, JUnit, Mockito, Android
- Technologies: Azure, Apache Kafka, Docker, Hibernate, AWS, SonarQube, Jenkins
- Other: Microservices, BigData, Design Patterns, CI/CD

Note: For more project details, please visit my [LinkedIn](#) Profile