



Muhammad Waqas

Technical Lead

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+92 345 8928822

| Education

BS in Computer Science (DIHE,
Karachi)

| Technical Skills

Java / Spring

NodeJS, PHP, Python

Microservices

Docker, Kubernetes

React, Svelte

Kafka, Redis

MindsDB, Snowflake, Airflow

MySQL, MongoDB

GCP, AWS

JIRA, Git

Agentic AI

Gen AI,

MCP Servers

LangGraph

Prompt Engineering

OpenAI, Anthropic, xAI

| Soft Skills

Teamwork

Leadership

Emotional Intelligence

Collaboration

| Certifications

AWS Serverless Apps

AWS Cloud Native

Data Science with Python

ML & NLP

| Summary

Results-driven Engineer with a decade of experience in banking, healthcare, telecom, risk, market research and compliance sectors. Adept at handling enterprise projects, solving complex business problems and modernizing large legacy systems.

Proven ability to drive business growth by developing technical strategies, designing robust architectures, selecting the best-fit tools & technologies, and optimizing Agile-Scrum delivery processes.

| DTCForce (04/2025-Present)

Head of Product Development - AI

- Scopien

Project Description:

Scopien provides full automated implementation of Salesforce and more. It has robust intelligent agentic system which automates the entire salesforce process within minutes. It performs small to complex operations in no time with perfection and speed.

Contribution:

- Designed the entire architecture of Scopien from scratch
- Created the full boilerplate and onboarded the teams to further development.
- Lead the entire product development department with directing reporting to CEO.
- Fully automated the entire platform.
- Built the data automation of Snowflake with Mindsdb.
- Used best practices to ensure smooth Salesforce operations in secured environment.

Tools and Technology:

React, Node JS, MCP Servers, LangGraph, Agentic AI, Redis, Mistral, Opensource models, MindsDB, Snowflake, MongoDB, Postgres, Hetzner Server, OpenClaw, Claude, Jenkins, Docker



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| 360factors Inc (03/2023-05/2025)

Principal Software Engineer

- Lumify360

Project Description:

Enrich KPIs with macroeconomic and market data, then link them to strategic objectives, business goals, risks, and even risk appetite levels to quickly visualize emerging issues and predict KPI performance.

Our AI agent, Kaia, can help you to analyze enrichment data sources and suggest recommendations for KPIs.

Contribution:

- Lead a team of software engineers.
- Ensured successful weekly and quarterly releases.
- Designed the microservices architecture from scratch.
- Continuously enhanced product features.
- Collaborated with cross functional teams to optimize software development lifecycle.
- Implemented AI automation for KPIs enrichment.

Tools and Technology:

Java, Spring Boot, Svelte, LangGraph, Agentic AI, Microservices, Snowflake, Airflow Jira, React, Kafka, Redis, Postgres, MySQL, Azure, Git

| Tekrowe (09/2020-03/2023)

Principal Solutions Architect

- Speetar

Project Description:

We're on a mission to advance wellness for underserved communities in emerging markets through scalable and sustainable digital solutions spanning Health, Education, Advocacy & Leadership. We work with governments, health systems, and community-focused organizations to reduce inequality and improve national healthcare outcomes through our fully localized technology and services.

Contribution:

- Lead multiple teams to design, develop, and deliver enterprise solutions from inception to production
- Provided post-delivery support based on short- and long-term client needs.
- Designed the architecture of the product Speetar from scratch which is now handling over million users of Libya and other middle eastern countries.
- Integrated IOT based devices for real time data in the healthcare sector for the African market.
- Developed the prediction-based system for predicting financial data for the client based in the US.

Tools and Technology:

Java, Spring Boot, Svelte, Node JS, React JS, Angular, PHP, Python, Django, AI, MySQL, Postgres, Microservices, Serverless, AWS, Amplify, Redis, Kafka, MongoDB



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| Nielsen IQ (04/2020-01/2022)

Senior Software Engineer

- NIQ Suit

Project Description:

With NIQ's suite of Consumer Behavior and Insights solutions, you can make confident decisions backed by the industry's most comprehensive and representative consumer panels, surveys, custom research, and consumer analytics.

With the Full View™ of consumer insights and buying behavior, you gain line of sight into who your consumers are, the way they shop, what they buy, and why—all so you can better anticipate shifts in demand and deliver the right products to the right customers, through the right channels, at the right moment.

Contribution:

- Lead the development of high-impact applications, ensuring appropriate technology selection for each component.
- Designed scalable architectures to meet business and customer expectations.
- Developed efficient workflows that made the development cycle 70% more efficient.
- Collaborated with teams in New Zealand and India with the development of Consumer Insights NIQ.

Tools and Technology:

Java, Spring Boot, Node JS, React JS, Next, Nest, Microservices, Postgres, Redis, Kafka, Git, GCP, MongoDB

| 360factors Inc (11/2017-04/2020)

Software Engineer

- Predict360

Project Description:

Predict360 automates tasks and workflows, improving the quality and value of compliance and risk activity execution through a singular cloud-based platform. Its AI-augmented technology creates risk and regulatory relationships between various organizational activities. It enhances visibility into where risks intersect through integrated BI tools such as Power BI and Tableau, providing stakeholders with a deeper, wider, and more holistic view of organizational risk and compliance.

Contribution:

- Wrote backend APIs for Predict360 in Java Spring and REST Apis.
- Integrated Jira with Predict360 that made compliance automation faster.
- Enhanced features of Risk Identification, monitoring and mitigation.
- Improve algorithms to make the product more efficient in predicting risks.

Tools and Technology:

Java, Spring MVC, Spring Boot, MySQL, Git, Jira, Velocity, Jenkins, Azure



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| **Avanza Solutions (05/2017-11/2017)**

Software Engineer

- **Unison Ace**

Project Description:

Unison Ace is a state-of-the-art digital platform that, through customer engagements, derives a digitalized and e-interactive customer journey across all touchpoints. Its supremacy empowers businesses to automate their workflows, generate leads, increase customer loyalty, retention, satisfaction, and much more while monitoring from anywhere, anytime globally.

Contribution:

- Worked on core components of UNISON, a CRM product.
- Integrated BIRT, a business intelligence and reporting tool into UNISON and Ambit (Internet Banking Product)
- Designed the database schema in MySQL.
- Worked on banking grade security features.

Tools and Technology:

Java, Spring MVC, Spring Boot, Oracle, SQL Server, Angular

| **XEBSOFT Technologies (04/2016-05/2017)**

Software Engineer

Contribution:

- Wrote apis and developed core features for multiple clients.
- Designed the schemas and made them scalable.
- Collaborated with stakeholders to improve performance of projects.
- Frequent calls with clients to understand their requirements and implement them on the projects.

Tools and Technology:

Python, Django, PHP, MySQL, Git