



Muhammad Waqas

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ABOUT ME

CTO & Senior Technology Leader – Blockchain, AI & Cloud Infrastructure

CTO & Technology Director with 12+ years of experience leading the architecture and delivery of large-scale AI, blockchain, and cloud-based platforms. Proven record in scaling teams globally, driving product innovation, optimizing infrastructure cost, and delivering mission-critical SaaS, Web3, and financial systems. Expert in building technical strategy, managing engineering teams, and transforming business vision into innovative solutions.

SKILLS

Technology Leadership & Strategy | Blockchain Architecture (Solidity, Rust, Web3) | AI Agents, Automation & Prompt Engineering | Cloud & DevOps (AWS, Docker, CI/CD) | Team Leadership & Cross-functional Collaboration | Product & Architecture Roadmapping | Full-Stack Development (MERN, Python, .NET) | Security, Compliance & Scalability

WORK EXPERIENCE

 CROWDGEN AI – NEW YORK (REMOTE), UNITED STATES

VICE PRESIDENT OF TECHNOLOGY – 05/2025 – CURRENT

- Leading **full-stack development** of **AI-driven platforms** for content **watermarking** and **traceability** using **Python, Solidity**, and **Next.js**.
- Architected decentralized multi-chain infrastructure handling 1M+ monthly transactions and compliant with GDPR & security standards.
- Managing a cross-functional team of 10 engineers across USA, and Asia, implemented **DevOps pipelines**, reducing deployment times by 35%.

 DAFI LABS – LAHORE, PAKISTAN

CTO / TECHNICAL DIRECTOR – 11/2023 – CURRENT

- Directed the design and delivery of **Web3 integrations, ICO, Tokenization of RWA, DEX, CEX, AI Trading Bots, Crypto Wallets**, and **AI agents** used by international clients.
- Reduced backend processing costs by 25% through migration to **Supabase** and **serverless architectures**.
- Led a team of 20+ developers and ensured alignment of technical requirements with business objectives.
- Trained the development team on modern AI agents and development tools such as **Claude AI, Cursor, Replit**, and **V0.dev**, resulting in over **60% reduction in development time** and improved team efficiency.

 KRYPTOMIND LLC – LAHORE, PAKISTAN

CTO / SOLUTION ARCHITECT – 12/2018 – 11/2023

- Spearheaded the development of **DeFi platforms**, managing over \$50M in crypto assets with multi-chain support on **Ethereum, BNB, Stellar, Tron, BSC**, and **Solana**.
- Led 50+ member engineering team, defined **roadmaps, code review** cycles, and **security audits** for end-to-end deployment.
- Implemented cloud cost optimizations on AWS, reducing infrastructure expenses by 30%.

 BYTEPEACH SOLUTIONS – LAHORE, PAKISTAN

SENIOR DEVELOPER / TEAM LEAD – 09/2015 – 11/2018

- Managed development of enterprise apps and blockchain prototypes using **ASP.NET MVC, Node.js**, and **MongoDB**.
- Mentored 10+ junior developers, achieved 99% sprint commitment rate through **Agile practices**.
- Built **crypto exchange** and **wallet projects** integrating **Bitcoin** and **Ethereum** for **fintech** clients.

 KAVTECH SOLUTIONS PVT. LTD. – LAHORE, PAKISTAN

SOFTWARE ENGINEER – 01/2014 – 09/2015

- Delivered **REST API** based backend systems and **ASP.net MVC web applications**, optimized SQL queries, and improved performance by 40%.
- Built Windows desktop applications such as License Plate Recognition (LPR) systems, security camera integrations, and human facial expression & gesture detection systems.
- Developed **BI** and **ETL** solutions using tools such as **SSIS** and **Pentaho**, and worked across diverse databases, including **MS SQL**, **MySQL**, **PostgreSQL**, **Oracle**, and **NoSQL** systems.
- Optimized backend processing and data pipelines, improving data accuracy and application performance by 40%.

 **TOTALSOFT** – LAHORE, PAKISTAN

JUNIOR SOFTWARE ENGINEER – 01/07/2013 – 01/08/2014

- Built **.NET desktop** and web apps with Windows and web Forms and C#, integrating reporting and CRUD modules.
- Assisted in QA testing, patching, and software maintenance for legacy systems.

● **EDUCATION AND TRAINING**

2010 – 2014 Lahore, Pakistan

BACHELOR OF SCIENCE IN COMPUTER SCIENCE (BSCS) University of Engineering and Technology, Lahore

● **LANGUAGE SKILLS**

Mother tongue(s): **URDU - (NATIVE)**

Other language(s): **ENGLISH - C1 (FLUENT)** | **GERMAN – A1 (BASIC, LEARNING)**

● **HOBBIES AND INTERESTS**

AI & Blockchain research

Open-source contributor

Table Tennis
