WAQAS SHAUKAT
SOFTWARE ENGINEER

Profile

Results-driven **Software Engineer** with experience building and maintaining **full-stack applications**, workflow automation for **monitoring and CI**, and **API-driven integrations (payments, Slack alerts and Zoom)**. Skilled in **API design, CI/CD automation**, with **hands-on experience enhancing AI/LLM-driven chatbot platforms by integrating MCP server tools**, enabling richer contextual responses and improved system interactions. Possesses **working knowledge of cross-chain systems and transaction flows**.

Employment History

Agoric Systems Operating Company
Nov 2025 — PRESENT

- Spearheaded **Ymax AI web-search** via **MCP**, reducing hallucinations by grounding model outputs in real-time external sources. (https://ymax.app)
- Designed a **monitoring solution** for **relayer connectivity**, automating **Slack notifications** for **rapid issue detection**.
- Built a **GitHub Actions–based monitoring workflow** to identify flaky CI jobs in the **agoric-sdk** repository. Automated Slack alerts ensured timely awareness of non-deterministic failures, helping the team distinguish infrastructure issues from code regressions.
- **Investigated FastUSDC transaction notifications**, documenting findings to enhance **cross-chain transaction** behavior visibility.

Technogenics- a subsidiary of StrikeReady USA
MAY 2023 — Oct 2025

- Developed core features (**Assets, Vulnerabilities, Identities**) for StrikeReady at Technogenics, ensuring alignment with RBVM team goals.
- **Collaborated** closely with **cross-functional teams**, providing invaluable support to ensure seamless **integration of frontend and backend components**.
- Actively participated in **Agile practices**, fostering a dynamic, collaborative environment for **rapid iteration and improvement**.

Algolab (algolab.so)
MAY 2022 — MAY 2023

- Implemented an impactful **online coding editor**, supporting diverse programming languages for candidates (programmers).
- Compiled and developed a course to enhance programmers' **problem-solving techniques** and deepen their understanding of various **data structures**.
- Excelled in **API server development** and **maintenance**.

Manaky Inc.
OCTOBER 2020 — MAY 2022

- Implemented a **payment method** that supported two currencies (USD and PKR), ensuring smooth and secure **transactions** for customers in multiple locations.
- Successfully **handled different time zones** in the **booking mechanism**.
- Utilized APIs to implement various functionalities, including **Zoom integration** for online experiences.

Education

Bachelor of Science in Computer Science, Virtual University of Pakistan, Lahore - SEPTEMBER 2010

Personal Project

AI-Driven Resume Chatbot (MCP-based)

https://waqas-chatbot.waqas-resume.workers.dev/

Details

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Programming Languages

- JavaScript
- TypeScript

Frontend Development

- React.js
- Angular
- HTML5, CSS3

Backend & API Development

- Node.js
- Express.js
- RESTful API
- API Integration

AI / LLM Systems (Applied)

- AI / LLM-Driven Chatbot Integration
- MCP Server Tools
- Web Search Integration for LLMs
- AI System Integration

CI/CD & Automation

- GitHub Actions
- Workflow Automation for Monitoring & CI

DevOps

- Docker
- Git

Databases

- SQL Databases
- NoSQL Databases

Hobbies

Coding challenges
Hiking & Camping