

Hamza Javed

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EDUCATION

COMSATS University Islamabad

Bachelor of Arts in Computer Science

Islamabad, Pakistan

Feb 2023 – Dec 2026

Punjab College

Intermediate in Pre Medical

Rawalpindi, Pakistan

Aug. 2019 – May 2021

EXPERIENCE

Lead Software Developer

Executive Stride

Dec 2025 – Mar 2026

Remote

- Led development of core product features and backend architecture
- Designed scalable APIs and services to support application growth
- Improved code quality through reviews and architectural decisions
- Ensured performance, scalability, and timely delivery of features

Full Stack Developer

Cortexis Solutions

June 2025 – August 2025

Lahore, Pakistan

- Built REST APIs using Node.js and MongoDB for LMS data processing
- Developed full-stack analytics platform using MERN and Docker
- Implemented data visualization for GitHub collaboration insights

Artificial Intelligence Research Assistant

COMSATS University Islamabad

Sep 2025 – Oct 2025

Islamabad, Pakistan

- Worked on applied AI research including data preprocessing and experimentation
- Implemented ML models using Python for performance evaluation
- Analyzed datasets using NumPy and pandas
- Conducted literature reviews and documented findings

PROJECTS

Redis Clone | *Rust, Systems Design, Networking*

- Built an in-memory key-value store inspired by Redis using Rust
- Implemented core data structures, persistence mechanisms, and command parsing
- Designed efficient memory handling and concurrency for high-performance operations

Resonance AI (Deployed) | *AI Agents, LangChain, LangGraph, Next.js*

- Developed an AI-powered application exploring agent-based workflows and reasoning systems
- Integrated LangChain and LangGraph to orchestrate multi-step AI interactions
- Deployed on Vercel with a focus on performance and modern UI/UX
- Designed a foundation for building intelligent systems with memory and adaptive behavior

E-commerce Backend (Monolithic Architecture) | *Backend, REST APIs, Authentication*

- Developed a backend supporting authentication, products, orders, and payments
- Designed clean REST APIs with modular architecture
- Ensured data consistency and reliability across services

Job Application Platform (Microservices) | *Distributed Systems, API Gateway*

- Built microservices for users, jobs, applications, and notifications
- Implemented role-based workflows and admin dashboard
- Designed scalable service communication architecture

TECHNICAL SKILLS

Languages: Java, Python, Rust, TypeScript, JavaScript, HTML/CSS

Frameworks & Tools: React, Node.js, FastAPI, SpringBoot, Express, Docker, LangChain, LangGraph

Databases: MongoDB, Redis, PostgreSQL

Developer Tools: Git, Google Cloud Platform, VS Code, PyCharm, IntelliJ

Libraries: pandas, NumPy, Matplotlib