Muhammad Rohan Javed

Software Engineer

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Education

BS in Computer Science *2022 – 2026*

FAST – National University of Computer and Emerging Sciences, Lahore

Professional Experience

FieldForce – Forward Deployed Engineer *September 2026 – Present*

- Research and evaluate AI models, pipelines, and system configurations for practical engineering use cases.
- Develop and experiment with AI-powered solutions, investigating system behavior and adapting implementations to meet project requirements.

Advanced Resources – Full-Stack Developer *February 2025 – August 2025*

- Built and maintained backend services and integrations for business applications using JavaScript, Node.js, databases, and third-party APIs.
- Improved a ClusterDen automated workflow, reducing execution time by approximately 75%.
- Developed automated workflows and webhook integrations with the WhatsApp Business API, alongside real-time messaging and customer management features.

Projects

Opsly – AI-Powered Business Suite

Python, FastAPI, React, PostgreSQL, Supabase, Prophet

- Developing an AI-powered business platform spanning Finance, Marketing, and Customer Support, with forecasting and analytics.
- Building Python-based backend services and a RAG-powered assistant to support business information retrieval and automated workflows.

Bookd – Multi-City Service Booking Platform

Node.js, Express, React, MongoDB

- Built a service booking platform supporting businesses across multiple cities, with dashboards for appointments, availability, and booking management.
- Expanded the service catalog to more than ten service categories.

Med-Do – Medical Contracts Management System

React, Node.js, Express, MySQL

- Developed a centralized application for medical inventory, supplier contracts, purchase records, and product tracking.

Technical Skills

Programming Languages: Python, C, C++, JavaScript, TypeScript, SQL
Backend and APIs: FastAPI, Node.js, Express, REST APIs, Webhooks, WebSockets, Socket.IO
Cloud and DevOps: AWS, Linux, CI/CD, Vercel, Railway, Supabase, Cloudinary
Databases and Tools: PostgreSQL, MySQL, MongoDB, Redis, Git, GitHub, Postman
Additional Technologies: JWT Authentication, WhatsApp Business API, Stripe, PayPal

Academic Achievements & Teaching

• Dean's Honour List Award — 3 semesters

FAST-NUCES – Teaching Assistant, Design and Analysis of Algorithms *August 2025 – January 2026*
• Guided students through algorithm design, complexity analysis, implementation, and debugging.

Leadership & Community

FAST Business Club – Marketing Director *2025 – 2026*
• Led marketing initiatives, promotional campaigns, and outreach activities.

SOFTEC – Assistant Vice President *2024 – 2025*
• Coordinated event planning, competition operations, and team activities for a major student-run technology event.