

Talal Majeed

✉ m.talal.majeed@gmail.com | github.com/TalalMajeed | [linkedin.com/in/talalmajeed](https://www.linkedin.com/in/talalmajeed)

Skills

- **Languages:** Python, C/C++, SQL, Java, TypeScript
- **Backend & Frontend:** FastAPI, Node.js, Next.js, ReactJS, TailwindCSS
- **DevOps & Cloud:** Docker, Kubernetes, Azure, Jenkins, Terraform, GitHub Actions
- **AI & Data Systems:** PyTorch, Vertex AI, LangChain, PostgreSQL, MongoDB, Redis

Work Experience

Data Pulse Technologies, Ireland

Mar 2026 - Present

Software & DevOps Engineer (Remote)

- Reconfigured Production Azure Kubernetes Cluster for banking software, reducing PBT Gateway costs by 30% while ensuring services remained scalable and accessible through secure proxies.
- Implemented comprehensive logging infrastructure using Grafana, Promtail, Loki, Prometheus with Azure Blob Storage integration for production monitoring.
- Configured Jenkins CI/CD pipelines on Kubernetes with pod health checks and automated deployments.

Qureos LLC, Dubai

May 2025 - Aug 2025

AI & Backend Engineer (Remote)

- Developed Voice-Based IRIS Chatbot serving 200,000+ job seekers and students for job discovery. Built interview version to help employers assess candidates effectively.
- Implemented Redis caching for conversation context and custom STT-LLM-TTS pipeline using LiveKit. Integrated Twilio for SIM-based external call routing to chatbot.
- Implemented RAG system and data enrichment connecting chatbot with hiring data from Qureos platform for contextual responses.

Objectual Systems Ltd, Karachi

Jul 2024 - Mar 2025

Full Stack Engineer (Remote)

- Developed LightAwake, an alarm management React-Native mobile application. Built Starman VC Platform in C# ASP.NET predicting startup success using LangChain and internal APIs.
- Engineered SpotIt, a merchandising platform with barcode scanning for shelf inventory management deployed on Google Play Store (100+ downloads).

Education

NUST Islamabad

Sep 2023 - April 2027

B.S. in Computer Science

Relevant Coursework: Object Oriented Programming, Databases, Data Structures and Algorithms, Computer Networks, Machine Learning, Deep Learning, Big Data Analytics, Computer Vision

Project Work

- **Collinear Sales Platform (May 2026 - Onwards):** AI-powered tool for sales automation and lead research with intelligent recommendations. Built using Vertex AI, Google Cloud Run, Next.js and Firestore. collinear.ecello.net
- **NUST Olympiad Platform (Dec 2025 - Feb 2026):** Interactive registration platform with 3,000+ active registrations and integrated payments. Implemented caching for performance optimization, AI-powered passport photo validation, and automated invoice generation. olympiad.nust.edu.pk
- **MealWheel (Oct 2025 - Nov 2025):** Food delivery platform serving H-12 and H-13 areas. Processed 20+ orders daily and generated 150,000+ PKR monthly revenue. mealwheel.pk

Awards and Certificates

- **Mentor at Edunautics:** Helping students and working professionals enhance problem-solving skills.
- Machine Learning Specialization on Coursera