

# ABDUL MANAN

☎ +92 335 5100705 | ✉ abdulmananshah02@gmail.com | in LinkedIn | GitHub

## ABOUT ME

Software Engineer delivering scalable solutions across FinTech, Retail, AI, and Industrial Automation. Skilled in **Full-Stack Web Development**, **DevOps**, and working with multi-disciplinary teams. Proven ability to align technical solutions with business goals for clients in the **Middle East and the United States**.

## SKILLS

Frontend	Vue.js, React.js
Backend	Node.js, Nest.js, Express, Fastify
Databases & ORMS	PostgreSQL, MongoDB, IndexedDB, InfluxDB, Sequelize, Prisma, MikroORM
CI/CD Tools	GitHub Actions, GitLab CI/CD
Cloud Platforms	Amazon Web Services (AWS)
DevOps	Git, Docker, Kubernetes, Helm
Others	GraphQL, Swagger, MQTT, Protocol Buffers, Linux, Bash Scripting
Languages	JavaScript, TypeScript, MongoDB Query Language, SQL

## EXPERIENCE

**Software Engineer (Backend)** Sept 2025 - Current  
Virtual World (IBEX) *Remote*

- Designing & implementing a multi-tenant architecture for a Ticketing System, ensuring database isolation per tenant, improving data security, and enabling scalable client onboarding.
- Optimized API performance by replacing sequential database calls with parallel execution and integrating data loaders to cache and batch related queries, reducing database queries by over 80%.

**Polyglot Engineer (Full Stack & DevOps)** June 2024 - July 2025  
Cowlar Design Studio (YC-W17) *Pakistan*

- Led the end-to-end development of a Subscription Management Project for a Qatari FinTech company, translating client needs into actionable goals and managing the execution of the development team.
- Optimized MongoDB queries, reducing query time by 75% on datasets with over 17 million records, enhancing data retrieval performance.
- Built a Gift Card Processing System, managing over QAR 4 million in transactions within 20 days of launch, ensuring system scalability and reliability.
- Designed & developed a Web Application using AWS Amplify, Lambda, and S3 to manage tens of thousands of simultaneous file uploads, replacing a manual, error-prone process and improving visibility.
- Collaborated on developing annotation tools and integrating in-house and Azure Machine Learning models, streamlining the annotation process and cutting annotation time by over 50%.
- Architected a Bare-Metal Kubernetes Cluster with MetalLB for load balancing, Calico for network policies, CRI-O as the container runtime, and Helm for app management, ensuring scalability and efficiency.

**Full Stack Developer** February 2024 - April 2024  
ezWifi (Techstars 23') *Remote*

- Developed an analytics dashboard to monitor and visualize key metrics for deployed ezRouters, delivering actionable insights to clients.
- Enhanced an admin portal to support remote router management, enabling administrators to perform configuration changes and restarts remotely.

## EDUCATION

**Fast Nukes** Islamabad, Pakistan  
Bachelor of Science in Computer Science 2020-2024