

ABDUL MANAN

☎ +92 335 5100705 | ✉ abdulmananshah02@gmail.com | in abdul-manan02 | 🌐 abdulmanan02

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) Virtual World (IBEX)	Sept 2025 - Current <i>Remote</i>
--	--------------------------------------

- 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) Cowlar Design Studio (YC-W17)	June 2024 - July 2025 <i>Pakistan</i>
---	--

- 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 ezWifi (Techstars 23')	February 2024 - April 2024 <i>Remote</i>
---	---

- 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 Bachelor of Science in Computer Science	Islamabad, Pakistan 2020-2024
--	----------------------------------