

# ABDUL MANAN

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## 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

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

## EXPERIENCE

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|---|--------------------------------------|
| <b>Software Engineer (Backend)</b><br>Virtual World (IBEX)  | Sept 2025 - Current<br><i>Remote</i> |
| <ul style="list-style-type: none"><li>Designing &amp; implementing a multi-tenant architecture for a Ticketing System, ensuring database isolation per tenant, improving data security, and enabling scalable client onboarding.</li><li>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%.</li></ul> |                                      |

  

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| <b>Polyglot Engineer (Full Stack &amp; DevOps)</b><br>Cowlar Design Studio (YC-W17)  | June 2024 - July 2025<br><i>Pakistan</i> |
| <ul style="list-style-type: none"><li>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.</li><li>Optimized MongoDB queries, reducing query time by 75% on datasets with over 17 million records, enhancing data retrieval performance.</li><li>Built a Gift Card Processing System, managing over QAR 4 million in transactions within 20 days of launch, ensuring system scalability and reliability.</li><li>Designed &amp; 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.</li><li>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%.</li><li>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.</li></ul> |  |

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| <b>Full Stack Developer</b><br>ezWifi (Techstars 23')  | February 2024 - April 2024<br><i>Remote</i> |
| <ul style="list-style-type: none"><li>Developed an analytics dashboard to monitor and visualize key metrics for deployed ezRouters, delivering actionable insights to clients.</li><li>Enhanced an admin portal to support remote router management, enabling administrators to perform configuration changes and restarts remotely.</li></ul> |   |

## EDUCATION

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| <b>Fast Nuces</b><br>Bachelor of Science in Computer Science | Islamabad, Pakistan<br>2020-2024 |
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