

Muhammad Abdullah

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PROFESSIONAL SUMMARY

Versatile full-stack developer with 3+ years of commercial experience building scalable SaaS applications using React, Next.js, Node.js, NestJS, GraphQL, and MongoDB. Proven track record in microservices-adjacent backend architecture, complex MongoDB aggregation pipelines, AWS infrastructure, and Agile/Scrum delivery. Leverages AI-augmented development workflows (GitHub Copilot, Cursor, Claude Code) to ship faster without sacrificing code quality. Adept at integrating AI/LLM features and workflow automation (n8n) into production systems.

SKILLS

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3/SCSS, Python

Frontend: React.js, Next.js (SSR/ISR/SSG), Redux, Material UI, Tailwind CSS, Framer Motion, Highcharts

Backend: Node.js, NestJS, Express.js, GraphQL, REST APIs, JWT, WebSockets, Microservices

Databases: MongoDB (aggregation pipelines), PostgreSQL, Firebase - schema design & optimisation

DevOps & Tools: AWS (EC2, S3, Lambda), Docker, Git, CI/CD (GitHub Actions), n8n automation, Figma, Vite

Testing: Jest (unit & integration testing), Agile/Scrum, Code Reviews

AI Dev Tools: GitHub Copilot, Cursor, Claude Code - AI-augmented development & rapid prototyping

WORK EXPERIENCE

Full Stack Developer (Contract)

Jan 2026 - Present

OspreyNaut - Remote (UK)

- Delivering full-stack web application development for a UK-based client (remote), working across React, Next.js, Node.js, and TypeScript in an Agile environment.
- Collaborating with cross-functional remote teams to ship features, conduct code reviews, and uphold high code quality standards.

Full Stack Developer

Mar 2023 - Nov 2025

Zaytrics Pvt Ltd - Islamabad

- Designed and delivered scalable full-stack SaaS applications end-to-end using React, Node.js, NestJS, and MongoDB following Agile best practices.
- Engineered GraphQL APIs and complex MongoDB aggregation pipelines, reducing data-fetch latency and powering advanced analytics dashboards.
- Automated internal reporting workflows using n8n, cutting manual processing time and improving team operational efficiency.
- Conducted regular code reviews, enforced best practices, and contributed to architectural decisions across multiple product lines.

Product Designer (UI/UX & Frontend Developer)

Jul 2022 - Jan 2023

Deep3 Solutions - Islamabad

- Translated user research into Figma wireframes and production-ready React + MUI frontends; improved accessibility and design consistency across products.
- Collaborated closely with backend teams to define API contracts and ensure seamless frontend integration.

PROJECTS

ViseWealth

- Redesigned backend by migrating from Express REST to GraphQL, building complex MongoDB aggregation pipelines that reduced data-fetch latency by eliminating over-fetching and enabling flexible, client-driven queries for analytics dashboards.
- Architected frontend data layer combining GraphQL and REST endpoints; implemented Apollo Client caching and optimistic UI updates; built dynamic React + MUI + Tailwind dashboards with real-time financial data visualisation using Highcharts.

Stack: React - Apollo Client - GraphQL - MongoDB - Node.js - Tailwind CSS - Highcharts

StonAi

- Built robust backend services using Node.js/Express and PostgreSQL with normalised schemas and optimised queries; integrated Generative AI features (LLM-powered assistants) and managed AWS EC2/S3 infrastructure for reliability and scaling.
- Engineered a dynamic recursive foldering system in MUI React using tree data structures with drag-and-drop reordering; contributed to CI/CD pipeline setup using GitHub Actions.

Stack: Node.js - Express - PostgreSQL - AWS (EC2/S3) - MUI React - Generative AI - GitHub Actions

Njadwil

- Built a production full-stack event platform with Next.js (frontend) and NestJS (backend), implementing JWT-secured REST APIs, role-based access control, and dual-language i18n support; integrated Oracle Cloud object storage for scalable image uploads.
- Developed a secure QR-based ticket scanning system for real-time event entry validation, and enhanced the admin panel with improved user role management and data visualisation for operational insights.

Stack: Next.js - NestJS - TypeScript - PostgreSQL - Oracle Cloud - i18n - JWT - RBAC

Osai Kekkudho

- Built a high-performance e-commerce platform with Next.js + Vite.js implementing SSR for SEO-optimised product pages; integrated Shopify Storefront API for real-time product data, cart management, and checkout flows with Framer Motion animations.
- Deployed on DFINITY (Internet Computer) for decentralised, tamper-proof hosting; implemented on-chain asset caching to reduce load times, ensuring a reliable and censorship-resistant platform experience.

Stack: Next.js - Vite.js - React - Framer Motion - Shopify Storefront API - DFINITY - TypeScript

EDUCATION

BSCS - National University of Modern Languages, Islamabad

2018 - 2022

GDC Google Developers Circle - Creative Team Member | Microsoft Learn Student Ambassador