

Muhammad Adnan

Full Stack MERN Developer | React.js • Next.js • Node.js

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SUMMARY

Full Stack Developer working with the MERN stack and Next.js since 2024, with hands-on experience shipping production web applications across e-commerce, SaaS, food delivery, and healthcare. Strong fundamentals in REST API design, relational and NoSQL data modeling, authentication, payments integration, and Agile delivery, applying strong command of JavaScript and TypeScript to build scalable web applications with responsive, user-friendly interfaces and SEO-focused performance. Final-year Software Engineering student (3.94 CGPA) currently shipping client-facing features in a remote engineering role, collaborating closely with designers, developers, and project managers while maintaining high attention to detail and prioritizing scalability and reliability, including integrations with automation tools where appropriate.

SKILLS

Relevant Skills	Scalable Web Applications, Automation Tools, Developers, SEO
Languages	JavaScript, TypeScript, HTML5, CSS3, SQL
Frontend	React.js, Next.js, Redux, Tailwind CSS, Shaden UI, Responsive Design
Backend	Node.js, Express.js, NestJS, REST API Design, JWT, Clerk Auth
Integrations & Platforms	Stripe, PostgreSQL, Prisma, Docker, Vercel, Render, VPS
Tools & Practices	Git, GitHub, GitHub Actions CI/CD, Agile/Scrum, Postman, REST

EXPERIENCE

Full Stack Developer Nov '25 — Present
Aitek Solutions

- Lead frontend and backend development of Quiquiq, a scalable web application featuring real-time order tracking, integrated payment processing, and responsive design optimized for SEO and scalability.
- Engineer multi-tenant SaaS applications on Next.js and PostgreSQL atop an open-source SaaS HQ foundation, building reusable modules for tenant isolation, auth, and billing while collaborating with developers and project managers to ensure attention to detail and interface consistency.
- Ship production features for Wolf of Arches and Tmustr e-commerce platforms, including Redux-managed application state and Stripe checkout flows, using JavaScript to deliver responsive interfaces and improve command over cross-browser behavior and performance.
- Collaborate with cross-functional teams in Agile sprints to scope, build, and iterate on releases against client deadlines.

MERN Stack Developer (Internship → Full-Time) Aug '25 — Oct '25
Bizneedle

- Built responsive UI components for a Hospital Management System in Next.js, contributing to a 40% reduction in page load time through code-splitting and image optimization, and improved SEO by refining metadata and semantic markup.
- Developed and documented RESTful APIs in Node.js and Express.js backed by MongoDB, supporting day-to-day clinical operations with robust API integrations and automation tools for testing and monitoring to enhance scalability and reliability.
- Implemented authentication and role-based authorization across three user roles (admin, doctor, patient) using JWT and Clerk Auth.
- Converted from intern to paid full-time developer based on performance during the trial period, demonstrating strong command of JavaScript and consistent attention to detail in deliverables.

Grow Intern Mar '24 — Jun '24
BehinDev

- BehinDev: built React + Firebase task modules and deployed to Vercel as part of a structured three-task internship program, focusing on responsive interfaces and automation tools for deployment workflows.
- OpenVoiceHub: developed Next.js community website features connected to MongoDB and deployed to a Hostinger VPS, optimizing for SEO and scalability while collaborating with developers on interface quality.
- Grow Intern: delivered two end-to-end projects using JavaScript across frontend and backend to build scalable web applications with clean, maintainable code, covering frontend, backend, and database layers while coordinating with project managers to prioritize features and validate scalability requirements with attention to detail.
- Workiee (job portal) and Swift Mart (e-commerce) implemented with responsive design and API integrations to ensure user-friendly interfaces and robust data flows.

PROJECTS

AiTek Client Portal — Multi-Tenant Project Delivery Platform — Next.js, NestJS, PostgreSQL, Prisma, Clerk, Docker

- Architected and shipped a multi-tenant client portal in a Turborepo monorepo (Next.js 14 App Router frontend, NestJS 10 REST API, shared TypeScript types), enforcing role-based access across four roles — Admin, Project Manager, Developer, and Client — with strict per-company tenant isolation.
- Built an end-to-end client onboarding flow with multi-step KYC document verification, a dynamic service-driven questionnaire engine, and an admin questionnaire builder, backed by a PostgreSQL schema modeled and migrated with Prisma.
- Delivered core delivery features — projects, milestones, deliverables, e-signature agreement acknowledgments, document storage, notifications, and a marketing-site leads-capture API — surfaced through role-scoped dashboards tailored to each user type.
- Containerized the stack with Docker and set up GitHub Actions CI/CD (separate dev and prod pipelines running Prisma migrations and seeds) deploying to a Hostinger VPS, with Clerk authentication and a hardened build guard integrated into the pipeline.

REHASH — Reverse E-Commerce SaaS Dashboard — MERN Stack

- Built a full-stack reverse e-commerce platform for a Canadian client using React and TypeScript, enabling users to sell used electronics by selecting category and condition and receiving instant quotes, while optimizing responsive design and SEO to support scalable web applications.
- Implemented a dynamic pricing engine, guided product-condition assessment flow, and separate admin and vendor panels with role-based access control, leveraging REST API integrations and automation tools to improve scalability and ensure attention to detail in data validation.
- Designed the MongoDB schema for listings, vendor profiles, and transactions, and added indexes to keep dashboard queries responsive at scale.

Dine Market & Swift Mart — E-Commerce Storefronts — Next.js, TypeScript, Sanity, PostgreSQL, Stripe

- Built two production-style e-commerce storefronts using Next.js and TypeScript, with Sanity as the headless CMS for product data and PostgreSQL (Vercel) for application data, implementing responsive interfaces and SEO best practices in JavaScript to enhance performance and scalability.
- Implemented dynamic product pages, Redux-managed cart, Clerk-based authentication, and Stripe checkout, all fully mobile responsive.

Quran Audio Player — React.js, Tailwind CSS, Public Quran API

- Built a responsive Quran audio player with reciter selection and surah navigation, consuming a public Quran API, and improved interfaces using React.js and Tailwind CSS to deliver fast loading, SEO-friendly pages with careful attention to detail.
- Awarded 2nd place at the GDSC UET NC Frontend Bootcamp competition for demonstrating strong command of JavaScript in building a responsive design and collaborating with developers and project managers on feature improvements.

EDUCATION

Bachelor of Engineering in Software Engineering, Mohammad Ali Jinnah University - PECHS (GPA: 3.83 / 4.00) Jan '22 — Jun '26

- Relevant Coursework: Data Structures & Algorithms, Database Systems, Web Development, Software Engineering, Operating Systems.
- Certifications: Certified Cloud Applied Generative AI Engineer - PIAIC.
- English Access Micro-Scholarship Program - U.S. Department of State.

CERTIFICATIONS

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