MUHAMMAD ANAS NAWAZ

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Portfolio — GitHub — LinkedIn

PROFESSIONAL SUMMARY

I'm a Full Stack Developer with experience building Web and Mobile applications from the ground up through personal projects, freelance work, and university projects. I enjoy designing backend services, building REST APIs, and creating responsive, user-friendly frontends. I've worked on multi-tenant SaaS platforms, Dockerized deployments, and performance optimization, delivering projects that serve over 1,000 daily users and include 50+ API endpoints.

KEY ACHIEVEMENTS

- Built an enterprise-grade multi-tenant SaaS backend with tenant isolation and RBAC; implemented subscription tiers and automated feature gating across Free, Pro, and Enterprise plans.
- Implemented Redis caching and BullMQ queues, improving API response times by approximately 45% and enabling reliable background jobs and notifications for enhanced system performance.
- Developed a comprehensive e-commerce platform with 50+ REST endpoints and a secure admin panel; successfully supported 1,000+ daily active users with consistent performance.
- Reduced deployment time from approximately 2 hours to 15 minutes through implementation of Docker containerization and automated CI/CD pipelines.

TECHNICAL SKILLS

Frontend Technologies: React.js, Flutter, TypeScript, JavaScript, Tailwind CSS, HTML5, CSS3, Vite, Context API, Provider

Backend Technologies: NestJS, Node.js, Prisma, TypeORM, RESTful APIs, JWT Authentication, Swagger, RBAC, Nodemailer

Databases & Infrastructure: PostgreSQL, MySQL, Redis, BullMQ, Firebase, Firestore, Docker, Git, GitHub, CI/CD Pipelines, Basic AWS

Core Concepts: Multi-Tenant SaaS Architecture, Clean Architecture, Microservices, State Management, Background Jobs, API Design, Observability

PROFESSIONAL EXPERIENCE

Full Stack Developer – Kim Long Restaurants Website   Jan 2026 – Present
Kim Long Chinese Restaurant   *Remote*

- Implemented comprehensive backend APIs, authentication system, and role-based access control using NestJS, TypeORM, and PostgreSQL; maintained detailed API documentation with Swagger for seamless integration.
- Built responsive React frontend using Vite and Tailwind CSS featuring dynamic menu management, reservation system, contact forms, and Google Maps integration for location services.
- Deployed services with Docker containerization and automated build processes to streamline updates and reduce manual deployment overhead.
- Collaborated with stakeholders to gather requirements and deliver features aligned with business objectives and user needs.

Backend Developer – Multi-Tenant SaaS Project   Jan 2026 – Present
Confidential Client   *Remote*

- Architected enterprise-grade multi-tenant backend system using Docker, NestJS, Prisma,Swagger and PostgreSQL; implemented strict tenant data isolation mechanisms with JWT-based authentication and comprehensive role-based access control (Owner/Admin/Member).
- Designed and developed subscription management system spanning three tiers (Free/Pro/Enterprise) with automated billing integration, feature gating logic, and expiry handling for seamless user experience.
- Built Redis-backed queue system utilizing BullMQ workers for asynchronous operations including audit logging, email notifications, and subscription validation; containerized all services with Docker for consistent deployment.
- Maintained comprehensive Swagger API documentation ensuring clear communication between frontend and backend.

Full Stack Developer – Calvio Mart (E-commerce Platform)   Dec 2025
Confidential Client   *Peshawar, Pakistan*

- Developed full-featured e-commerce solution using React.js, NestJS, and PostgreSQL; created 50+ RESTful API endpoints with complete Swagger documentation and Docker containerization for production deployment.

- Engineered secure admin panel implementing role-based access control, JWT authentication, bcrypt password hashing, and comprehensive input validation across all endpoints to ensure data security.
- Created responsive frontend with React Hooks and Context API featuring 30+ reusable Tailwind CSS components; integrated OTP email verification, WhatsApp order confirmations, and image upload functionality with validation.
- Implemented product catalog management, shopping cart functionality, order processing system, and payment gateway integration.

Full Stack Developer Mar 2024 – Mar 2025

CECOS University *Peshawar, Pakistan*

- Developed cross-platform mobile application using Flutter framework with Provider state management pattern and clean architecture principles for maintainable, testable, and scalable codebase.
- Implemented backend microservices using NestJS in containerized Docker environment; designed normalized MySQL database schema with TypeORM for optimal query performance and data integrity.
- Created secure RESTful APIs with comprehensive Swagger documentation, JWT authentication, validation middleware, and real-time location tracking features for enhanced user experience.
- Collaborated with cross-functional teams to gather requirements, design solutions, and deliver features meeting project objectives and deadlines.

Mobile Application Developer Intern Aug 2025 – Sep 2025

CodeAlpha *Remote*

- Built Fitness Tracker mobile application with Flutter integrating Firebase Authentication and Firestore for real-time data synchronization and user management.
- Developed Quote Generator application demonstrating clean code architecture principles and modern Flutter best practices including state management and API integration.
- Gained hands-on experience with mobile development workflows, version control, and collaborative development practices.

EDUCATION

Bachelor of Science in Software Engineering Oct 2021 – Oct 2025

CECOS University of Information Technology and Emerging Sciences *Peshawar, Pakistan*

CERTIFICATIONS

- **SQL & Relational Databases 101** – IBM via Cognitive Class (June 2025)
- **Diploma in MySQL & Statistics for Data Analysis** – Alison (April 2024)
- **AWS Academy Cloud Foundations** – Amazon Web Services (February 2024)
- **Mobile App Development with Flutter** – Alison (March 2024)

LANGUAGES

- **Urdu** – Native Proficiency
- **English** – Conversational Proficiency