

# MUHAMMAD ANAS NAWAZ

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## PROFESSIONAL SUMMARY

Full Stack Developer experience in building scalable web and mobile applications. Expert in React.js, Flutter, NestJS, and PostgreSQL/MySQL with proven ability to deliver end-to-end solutions. Skilled in clean architecture, RESTful API design, authentication systems, and Docker containerization. Successfully led multiple projects from conception to deployment with focus on performance, security, and user experience.

## TECHNICAL SKILLS

**Frontend Development:** React.js, Flutter, Dart, HTML5, CSS3, JavaScript, Provider, UI/UX Design

**Backend Development:** NestJS, Node.js, NextJS, TypeScript, RESTful APIs, JWT Authentication, Nodemailer

**Database & DevOps:** PostgreSQL, MySQL, TypeORM, phpMyAdmin, Redis, BullMQ, Docker, CI/CD

**Tools & Platforms:** Git, GitHub, Swagger, Visual Studio Code, Android Studio, Render

**Concepts:** Clean Architecture, Microservices, State Management, API Integration, JSON Serialization

## PROFESSIONAL EXPERIENCE

### Backend Development / Multi-Tenant SaaS Project

Jan 2026 – Present

*Confidential Client*

- Developed an enterprise-grade multi-tenant backend using Next.js, PostgreSQL, Prisma, and NextAuth.js, implementing tenant-based data isolation, role-based access control (Owner/Admin/Member), JWT authentication, secure RESTful APIs, and a subscription/plan management system (Free/Pro/Enterprise) with feature gating and automatic expiry.
- Integrated background workers using Redis + BullMQ for audit logging, email notifications, and subscription checks, applying clean architecture, scalable system design, and Dockerized deployment for production-ready enterprise SaaS.

### Full Stack Developer

Dec 2025 – Dec 2025

*Calvio Mart*

- Developed a full-featured E-Commerce platform, using React.js, NestJS, PostgreSQL, Swagger and Docker focusing on scalability and performance.
- Designed and implemented 50+ RESTful API endpoints with NestJS and TypeORM, fully documented using Swagger.
- Built a secure admin panel with role-based access control (RBAC), JWT authentication, bcrypt hashing, and input validation.
- Created a responsive frontend using React Hooks, Context API, Tailwind CSS, React Router, and 30+ reusable components.
- Implemented OTP email verification, WhatsApp order confirmations, image uploads, and centralized error handling.

### Full Stack Developer

Mar 2024 – Mar 2025

*FYP – CECOS University*

*Peshawar, Pakistan*

- Developed Smart Delivery System mobile application using Flutter with Provider for state management and clean architecture principles ensuring scalability and maintainability
- Built backend microservices with NestJS in Dockerized environment using MySQL and TypeORM with normalized database design
- Implemented secure RESTful APIs documented with Swagger, featuring JWT authentication and comprehensive validation
- Integrated frontend with backend using Dio with custom interceptors for token handling and error management
- Configured Nodemailer for automated email verification and password reset workflows
- Generated strongly typed data models using json\_serializable for reliable JSON parsing and type safety

### Mobile Application Intern

Aug 2025 – Sep 2025

*CodeAlpha*

*Remote*

- Developed Fitness Tracker mobile application using Flutter with Firebase Authentication and Firestore integration
- Built Quote Generator App demonstrating proficiency in Flutter and Dart with clean code practices
- Rapidly acquired new technologies and maintained high productivity while contributing to team objectives

## EDUCATION

### Bachelor of Science in Software Engineering

Oct 2021 – Oct 2025

*CECOS University of Information Technology and Emerging Sciences*

*Peshawar, Pakistan*

## CERTIFICATIONS

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**SQL and Relational Databases 101** – IBM via Cognitive Class (Jun 2025)

**AWS Academy Cloud Foundations** – AWS Academy (Feb 2024)

**Introduction to Mobile App Development with Flutter** – Alison (Mar 2024)

**Diploma in MySQL and Statistics for Data Analysis** – Alison (Apr 2024)