

# NAUMAN ALI

Email: nauman170462@gmail.com • Contact: +92 3324553008 • Address: Gulshan-e-ravi, Lahore

## Summary

A dedicated and detail-oriented **Software Engineer** with experience in **Node JS, Nest JS, React JS, Vue Js, Express JS, Supabase, Databases** and full-stack web development. Skilled in designing and implementing scalable RESTful APIs, optimizing database performance, and integrating secure authentication mechanisms such as JWT/Guards and social media logins. Proficient in Git version control, debugging, and best coding practices.

## Experience

 Texagon	Gulberg, Lahore
Software Engineer	11/2025 - Present
<ul style="list-style-type: none"><li>Designed and developed a scalable <b>NestJS</b> backend architecture using <b>modules, controllers, services, dependency injection, providers, DTOs, custom decorators, pipes, interceptors, and middleware</b>, following clean architecture principles.</li><li>Implemented secure <b>authentication</b> and <b>authorization</b> with <b>JWT access and refresh tokens, cookies, auth guards, role guards, and token refresh middleware</b> to protect APIs and enforce role-based access.</li><li>Integrated <b>Supabase</b> as Backend-as-a-Service, handling CRUD operations, <b>storage (single and multiple file uploads via Multer), database constraints, JSON/JSONB fields, Supabase client generation, and database triggers for automated workflows</b>.</li><li>Implemented event-based notifications using the watcher pattern, triggering real-time updates and email notifications via <b>Nodemailer</b> for incident and report lifecycle events.</li><li>Added centralized logging with <b>Winston Logger</b>, including console and file-based logs, and implemented a global logging middleware for request/response tracking and error diagnostics.</li><li>Integrated <b>Prisma ORM &amp; Bun</b> for high-performance development, managing schema migrations, client generation, and type-safe database access.</li><li>Improved developer experience and delivery quality by adding <b>Swagger API documentation, CI/CD pipelines using GitHub Actions</b> structured pull request workflows, and enforcing <b>TypeScript type safety across the codebase</b>.</li><li>Implemented <b>Redis caching</b> for optimized data retrieval and <b>rate limiting</b> to prevent abuse and ensure API stability.</li></ul>	
 Devorbis	OPF Society, Lahore
Software Engineer	04/2025 - 10/2025
<ul style="list-style-type: none"><li>Developed dynamic and scalable React applications using React Hooks, React Router, and Redux Toolkit for state management, ensuring modularity and reusability across components.</li><li>Built reusable components using <b>Tailwind CSS</b>, implementing client-side validation with Formik and <b>Yup</b> in form components.</li><li>Optimized API interactions using Axios interceptors for centralized error handling, <b>JWT</b> token renewal, and request/response logging.</li><li>Implemented <b>code-splitting</b> and <b>lazy-loading</b> of routes, enhancing app performance and reducing initial load times.</li><li>Helped develop a secure <b>Node.js/Express.js</b> backend with <b>Sequelize ORM</b>, handling <b>migrations</b> and <b>seeders</b>, and using <b>Joi</b> for input validation and sanitization.</li><li>Designed role-based access control (RBAC) using Express middleware, ensuring secure API endpoints and structured responses.</li><li>Enforced code quality with ESLint and Prettier, reducing linting errors by good margin and maintaining consistent style across the codebase.</li><li>Developed dynamic and scalable <b>Vue.js</b> components using <b>Composition API, Vue Router, and Vuex Pinia</b> for efficient state management across modules.</li><li>Maintained codebase using <b>Git</b> and conducted regular <b>code reviews</b>, ensuring maintainable and high-quality code across frontend and backend.</li></ul>	
 Viltco Technologies	Arfa Software Technology Park
Associate Software Engineer	09/2024 - 03/2025
<ul style="list-style-type: none"><li><b>Designed and developed RESTful APIs from scratch</b> based on Figma UI designs, ensuring seamless mobile app integration.</li><li>Implemented state management using <b>Redux Toolkit</b> and <b>Redux Saga</b>, enhancing performance, optimizing asynchronous data flow, and ensuring efficient state synchronization across the application.</li><li><b>Implemented authentication and authorization</b> using <b>JWT</b>, securing API endpoints with token-based authentication.</li><li>Integrated <b>social media logins (Google, Facebook, etc.)</b> for seamless user authentication and onboarding.</li><li>Implemented <b>encrypted API responses</b> using <b>CryptoJS</b>, enhancing data security and preventing unauthorized access during transmission.</li><li>Used <b>custom middleware</b> for standardized API responses and <b>role-based access</b>, ensuring consistency in success, error, and validation messages.</li><li><b>Worked with Git for version control</b>, regularly using Git commands to collaborate with the team and manage code efficiently.</li></ul>	

## Skills

Node JS • React JS • Express JS • Vue JS • Laravel • Nest JS • ES6 • Typescript • PHP • MYSQL • PostgreSQL • Redux Saga • Redux toolkit • API's Integration • Version Controls(Git & Github) • Material UI • CI/CD Pipelines • ESLint

## Education

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Information Technology University  
Bachelor in Computer Engineering-(BSCE)

2020 - 2024

Govt. Islamia College Civilines  
FSc Pre-Engineering

2017 - 2019

## Projects

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### Incident Management & Reporting System

Developed a **full incident & report management system** using NestJS, enabling users to create, update, and track incidents with categorized reports.

Built a **scalable RESTful API architecture** leveraging NestJS modules, controllers, services, and dependency injection for clean code separation.

Integrated **Supabase (PostgreSQL)** for CRUD operations, relational data modeling, JSON/JSONB handling, and database constraint enforcement.

Implemented **secure authentication & authorization** using JWT access/refresh tokens, RBAC, custom guards, and decorators.

Added **file upload and storage management** using Multer and Supabase Storage with support for safe file replacement.

Implemented **activity logging, audit trails, and event-based notifications**, including watcher patterns and email alerts.

Enhanced system reliability with **global middleware, interceptors, validation pipes, exception filters, Winston logging, Swagger documentation, and CI/CD via GitHub Actions**.

### BuzzBridge – Scalable Influencer Marketing Platform

**Campaign Management:** Enabled brands to post detailed campaign requirements, including platform selection (Instagram, YouTube, TikTok, X, Facebook, Kick), content type preferences, and budget specifications.

**Creator Engagement:** Developed features allowing creators to apply for campaigns or send tailored proposals based on their niche and audience alignment.

**Modern Frontend:** Built with **Vue.js** and built-in **Composition API** for state management, delivering a fast, responsive user interface optimized for both brands and creators.

**Robust Backend:** Engineered a secure and scalable **RESTful API using Node.js & Express.js**, ensuring efficient data flow, modular route handling, and clear separation of concerns.

**Database Architecture:** Designed and managed a **PostgreSQL database using Sequelize ORM**, implementing migrations, seeders, and a relational schema to ensure data integrity and scalability.

**Authentication & Security:** Implemented **JWT-based authentication**, safeguarding login sessions and route access based on user roles (brand or creator).

### Revolutionized E-commerce Platform (Multi-tenant)

**Multi-Role System:** Designed separate interfaces and controls for **Admin, Super Admin, and Customers**, ensuring structured access and security.

**Admin Panel:** Enabled admins to manage **product catalogs, user accounts, orders, returns, and analytics**, with real-time reporting features.

**User-Friendly Frontend:** Built a **responsive React.js interface**, enhancing the shopping experience with **Augmented Reality (AR) features** for product visualization.

**Efficient Backend:** Developed a **RESTful API using Node.js & Express.js**, ensuring smooth data processing, secure user authentication, and seamless transactions.

**Database Optimization:** Utilized **MySQL with optimized indexing and relational design**, ensuring fast query execution and secure data storage.

**Security & Performance:** Implemented **JWT-based authentication** for a secure and efficient system.