

ZAIN UL ABIDEEN

Full-Stack Developer | MERN | Software Engineering

Islamabad, Pakistan • zaynbu269@gmail.com • github.com/ZAYNINFINITY • linkedin.com/in/zain-ul-abideen-429735231

PROFILE

Computer Science student at PAF-IAST focused on full-stack development with the MERN stack. I build complete web applications across frontend, backend, databases, authentication, and testing, with projects including a real-time collaboration platform, e-commerce application, and interactive 3D web application. I use AI as part of my development workflow while handling the engineering work myself, including architecture, debugging, testing, responsive UI, backend logic, and database design. My foundation includes C++, OOP, data structures, REST APIs, and application security.

TECHNICAL SKILLS

Languages: JavaScript, C++, PHP

Frontend: React.js, Next.js, Three.js / React Three Fiber, HTML5, CSS3, Tailwind CSS, Responsive Design

Backend: Node.js, Express.js, REST API Design, Socket.io

Databases: MongoDB, MySQL, SQLite

Auth & Security: OAuth 2.0, Passport.js, JWT, Session Management, bcrypt Password Hashing

Tools & Testing: Git, GitHub, Vite, Vitest, Playwright, Capacitor, XAMPP, phpMyAdmin

Concepts: OOP, Data Structures & Algorithms, Real-Time Systems, API Design, Application Security

Technical Support: Customer/technical troubleshooting, ticketing & documentation workflows, remote issue diagnosis, clear written/verbal communication with non-technical users

EXPERIENCE

Frontend AI Engineer | FlyRank

July 2026 – August 2026

- Built and maintained React front-end features for FlyRank's AI-driven SEO platform, shipping production UI components used by end users.
- Partnered with AI engineers and senior developers to translate platform requirements into working React components, incorporating feedback across iterative review cycles.
- Applied modern JavaScript and component-based architecture patterns to keep the codebase consistent with the existing production system.

Web Developer & Venture Intern | TEKNEFY (Robotics World)

July 2025 – September 2025

- Implemented web development features and fixes within a cross-functional product team, taking tasks from requirement to working code.
- Applied debugging and peer code-review practices to catch defects before release and keep the codebase maintainable.

PROJECTS

Foyer — Interactive 3D Developer Portfolio Platform

Next JS, React 19, TypeScript, Three.js / React Three Fiber, Tailwind CSS v4, AI SDK v7

- Designed and built a 3D web application where developers exhibit projects as interactive gallery rooms, replacing the traditional list-style portfolio page, building everything from scratch.
- Reached successful automated tests passing through Vitest and Playwright. Lighthouse score's average performance based, better accessibility, and SEO practice generates better throughput.

COLLAB — Collaborative Workspace Platform

Node JS, React, MongoDB, Socket.io, Chakra UI

- Built a full-stack real-time SaaS platform with live chat, document collaboration, and a drag-and-drop Kanban board, including OAuth 2.0 login (GitHub + Google) via Passport.js with bcrypt password hashing.

ZSE Store

React, Node JS, MongoDB, WhatsApp API

- Built a live e-commerce site for a local sanitary and electric products business, with a responsive React product catalog featuring brand filtering and search.
- Integrated the WhatsApp order API so customers could complete orders through direct messaging.

POS-it — Offline-First Point of Sale Desktop App

Electron, React, Node.js, SQLite, Tailwind CSS, Vite

- Building an offline-first Windows POS application with sales, inventory, invoicing, customer credit, and analytics workflows.
- Designing local data persistence, modular architecture, and reliable offline operation through iterative development and testing.

EDUCATION

BS Computer Science

Pak-Austria Fachhochschule Institute of Applied Sciences and Technology (PAF-IAST), Mang, Haripur, KPK | 2024 – Present