

Ali Raza Soomro

Software Engineer · Full-Stack Developer

+92-305-2239442 | alirazasoomro031@gmail.com

linkedin.com/in/ali-raza-soomro-5a6777233 | github.com/Ali-RazaSoomro

Summary —

Software Engineer with experience in designing, developing, and deploying scalable full-stack applications using React, Node.js, Express.js, PostgreSQL, and cloud technologies. Experienced in building production-grade marketplace platforms, real-time systems, GIS applications, offline mapping, AI-integrated automation pipelines, and OCR solutions, and secure role-based enterprise software. Strong foundation in backend engineering, relational database design, REST API development, authentication and authorization, AI/LLM integration, cloud deployment, and software architecture.

Education

Mehran University of Engineering & Technology (MUET), Jamshoro

Bachelor of Engineering in Software Engineering

Graduated: Nov 2025

CGPA: 3.65 / 4.00

PakTurk International Schools & Colleges, Karachi

Intermediate (Pre-Engineering)

2021

Percentage: 92.45%

PakTurk International Schools & Colleges, Karachi

Matriculation

2019

Percentage: 88%

Experience

Naval Research & Development Institute

Software Engineer Trainee

Apr 2026 – Present

Pakistan

- Working on mission-critical software involving offline mapping, GIS technologies, GPS tracking, hardware integration, and high-reliability engineering systems.
- Building customized offline GIS platforms with vector tile rendering and spatial database solutions using **PostGIS**.
- Developing GPS telemetry pipelines and working with hardware-software integration for mission-critical mapping workflows.
- Supporting mission-critical software engineering initiatives in a structured, high-accountability environment.

Webperts

Associate Software Engineer

June 2023 – Jan 2026

Pakistan

- Developed and maintained production-grade web applications using **React**, **Node.js**, **Express.js**, **PostgreSQL**, and cloud technologies.
- Developed scalable frontend and backend modules for enterprise SaaS applications; designed REST APIs and relational database schemas.
- Implemented authentication, authorization, **RBAC**, and secure business workflows across multiple client-facing products.
- Built payment systems, voting engines, automated cron jobs, and administrative dashboards deployed on **AWS**, **DigitalOcean**, and **cPanel**.
- Collaborated with cross-functional teams to deliver client-facing software solutions on schedule.

Projects

MaidinUAE | React, Node.js, PostgreSQL, Prisma, JWT, OAuth

Solo Full Stack Developer

- Built a UAE services marketplace end-to-end: relational database schemas, CSV bulk import pipeline, CMS modules, authentication, reviews, SEO, and admin tools.
- Integrated email notifications, newsletter subscriptions, and contact workflows using Nodemailer and Mailchimp to improve user engagement.
- Designed and developed RESTful APIs, optimized PostgreSQL queries, and deployed the complete application on AWS and DigitalOcean.

Capital8 | Nextjs, TypeScript, Supabase, PostgreSQL, OpenAI, Apify, Apollo.io

Full Stack Developer

Team of 3

- Developed enterprise SaaS features for buyer, seller, and admin dashboards; implemented secure **Role-Based Access Control** using Supabase Authentication and **PostgreSQL RLS**; contributed to Stripe payment integration.
- Built an **AI-powered automation pipeline** integrating **OpenAI** and **OpenRouter** for LLM-driven content generation and analysis, and **Exa AI** for neural search and semantic retrieval.

- Integrated **Apify** for LinkedIn data extraction (scraping post comments, reactions, and detailed profile schemas via Actors), **Apollo.io** for fetching emails and corporate organizational data, and **Prospero** for high-quality lead enrichment mapping LinkedIn URLs to job history, company size, revenue, and funding stages.
- Configured **Brevo** SMTP for outbound campaign email delivery; built REST APIs, Supabase Edge Functions, and an email queue architecture for the complete lead generation and outreach pipeline.

Offline GIS & GPS Tracking System | React, Node.js, PostgreSQL, PostGIS, Leaflet, MapLibre, MBTiles, WebSockets, Python
Full Stack Developer

- Built an enterprise offline GIS platform supporting **MBTiles** and vector map rendering for use in disconnected field environments.
- Designed spatial databases using **PostGIS** for efficient geospatial querying, and developed real-time GPS tracking and telemetry pipelines.
- Integrated hardware communication for mission-critical mapping workflows and implemented offline routing and location visualization.

School Visitor Queue Management System | React, TypeScript, Node.js, PostgreSQL, WebSockets, AWS
Solo Full Stack Developer

- Designed a real-time visitor queue management platform with **WebSocket**-based synchronization across visitor kiosks, dashboards, and lobby displays.
- Developed concurrency-safe queue logic using **PostgreSQL** stored procedures and triggers; integrated Twilio SMS and WhatsApp notifications.
- Designed **RBAC**-secured administrative dashboards for school management staff.

Technical Skills

Languages	JavaScript, TypeScript, Java, Python, SQL, PL/pgSQL		Apollo.io, Prospero
Frontend	React.js, Redux Toolkit, Vite, Tailwind CSS, Bootstrap, HTML5, SCSS	Cloud	AWS (EC2, S3, Cognito, RDS, Location Service), GCP, DigitalOcean, cPanel
Backend	Node.js, Express.js, REST APIs, WebSockets	GIS	Leaflet, MapLibre GL, MBTiles, Offline Mapping, GPS Tracking
Databases	PostgreSQL, PostGIS, Prisma ORM, Supabase, MongoDB	Auth & Security	JWT, OAuth, Passport.js, Bcrypt, Helmet RBAC, Supabase Auth
AI & Automation	OpenAI API, OpenRouter, Exa AI (Neural Search), OpenCV, EasyOCR, Apify,	Tools	Git, GitHub, Postman, Docker (basic), Paypal , Stripe , Swagger

Hackathon

GNEC Hackathon 2025

- Developed **AquaGuard**, an AI-powered water quality monitoring platform.
- Responsible for backend API development, AWS deployment (EC2, S3), AWS Cognito authentication, and PostgreSQL database integration.

Certifications

- **AWS Certified Cloud Practitioner**
- **NAVITC Cloud Computing**
- **Microsoft Learn Student Ambassador** — Alpha & Beta
- **Google Developer Student Club Developer**

Leadership & Community

- **Microsoft Learn Student Ambassador** (Alpha & Beta)
- **Google Developer Student Club Developer**
- **Volunteer** — DevFest Sindh 2023
- **Volunteer** — MISMO National Mathematics Olympiad
- **Volunteer Invigilator** — MAGIS 2021

Languages

- **English** — Professional Working Proficiency
- **Urdu** — Native / Full Professional Proficiency
- **Sindhi** — Native Proficiency