

Huzaifah Asif

Software Engineer

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Full-stack Software Engineer with 5+ years of experience in **Node, React, and Angular**. Experienced in delivering end-to-end SaaS products and scalable web solutions across the full stack.

Work Experience:

AvantTech / Software Engineer (Full-stack)

Jan 2024 - Present, Remote - Contract (2 years)

Emanda ([emanda.app](#))

- Worked as a full-stack engineer on **Emanda** (web platform for business valuation and technical due diligence for founders/advisors) building and shipping core product features that contributed to a successful **pre-seed** funding round.
- Designed and built the core financial valuation system, working with accountants to implement financial models and formulas that automate business valuation based on key financial metrics and generate a report, turning a long manual process for advisors into a simple task.
- Built a financial data ingestion pipeline, integrating with **Xero's** APIs including **OAuth** connect flows, refresh-token handling and scheduled syncs with cron jobs.
- Implemented payments and subscription billing with **Stripe** Elements and ensured synchronization using webhooks.
- Implemented **AI** features (doc summary, AI-generated answers, and auto-analysis of reports) using Anthropic models on **AWS Bedrock**.
- Built internal admin tooling (**React/Next.js + Shadcn**) for managing users/companies, pricing, and operational debugging.
- Wrote **Jest** unit/integration tests; supported CI/CD and deployments via **Jenkins** and **GitHub Actions**.

Sollant ([sollantcompressors.com.au](#))

- Built Sollant's ecommerce platform end-to-end: **Next.js** storefront + admin portal, **NestJS** API, and **Strapi** CMS.
- Implemented **CyberSource** payments using **Unified Checkout** (capture context, secure client library loading, auth/decline flows) plus automated payment reconciliation via scheduled polling.
- Built admin + ops tooling: product & category management, bulk CSV import, order management (filters, status updates, CSV export), and configurable shipping rates.
- Delivered SEO + CMS-driven content: per-page SEO metadata, and CMS-managed content for each page.
- Wrote **Playwright** E2E tests covering guest checkout and CyberSource payment iframe flows.

3DBerg / Software Engineer (Full-Stack)

Aug 2024 - Present, Remote - Part-time (1.5 years)

- Engineered a **monorepo**-based distributed system: **NestJS** core backend, **FastAPI** CAD-analysis microservice, and multiple **React** frontends.
- Built core backend business logic with **Postgres + Prisma**; integrated **Stripe + Supabase** (auth and storage).
- Built and deployed the CAD-analysis service using Open CASCADE on **GCP Cloud Run**.
- Built multiple frontend applications for different user roles (customer, admin, manufacturer) with **React, Vite** and **TanStack Query/Router**, with UIs built using **Tailwind CSS** and **Shadcn** and **MUI**.

- Built the main landing page website (3dberg.com) using **Tanstack Start** for static site generation and best SEO practices, **internationalization** using **lingui**, and **payload cms** for managing the blog content.
- Setup deployment pipelines with heroku and docker/compose for containerized deployments.

CodeNinja / Software Engineer (Full-stack)

Feb 2022 - Feb 2024, Lahore, Pakistan (2 years)

OfficeTimeline (web app)

- **Frontend lead** for a 6-engineer team; owned planning, delivery, and code review quality for the web app.
- Planned and executed an incremental **Ember** → **React** migration, keeping feature parity while shipping new work in parallel.
- Restructured the frontend into **modular** feature-based architecture to reduce merge conflicts and enable parallel team delivery.
- Established code guidelines + architecture docs and set up **Storybook** for shared UI documentation and testing to improve onboarding and cross-team reuse.

Other projects:

- Extended a **Django** application by migrating custom authentication to integrating **Auth0** authentication and added subscription billing (Stripe + **Chargebee**) and refreshed the UI using **tailwindcss**.
- Co-designed an internal MERN training + assessment program for junior engineers, standardizing onboarding with a clear curriculum, hands-on assignments, and evaluation.

CYBRNODE / Software Engineer (Full-stack web & mobile)

Aug 2020 - Jan 2022, Lahore, Pakistan (1.5 years)

Delivered end-to-end client projects across web, mobile, backend, and IoT.

- Built a WhatsApp-based **help desk support web app** for an IT Services provider company, helping them to streamline their technical support process with the use of *tickets* and *queues* features. (Angular, NestJS, MongoDB, AWS EC2, Nginx, Jira)
- Designed and implemented an RFID **turnstile** controller system for a university to track on-campus student activity using RFID-enabled student cards (web dashboard + backend + Arduino integration). (Next.js, Express, MongoDB, Arduino, Python, Docker)
- Built a **cross-platform** mobile app for a vehicle inspection/certification organization, helping them digitize their previously paper-based inspection workflow. (Flutter, Firebase)
- **Refactored** and stabilized a legacy flutter codebase with clean architecture and best practices. Improving performance and enabling the development team to work more efficiently and iterate faster with fewer bugs. (Flutter, Firebase, Socket.io)
- Built a desktop application using python and QT framework, this application allows the user to control a **TEC controller**, and visualize its temperature over-time on a graph. Later, I migrated the application to use **Electron** instead of Qt for a much better looking GUI.

Awards and Achievements:

Cyber Security Hackathon

CyberHackathon 2021, Pakistan

- Alongside engineering, I also like reverse engineering and cybersecurity. I participate in CTFs like Ignite's annual cybersecurity CTF and Google's flare-on reverse engineering CTF.
- I won awards for ranking top-3 in Ignite's across multiple categories (web, network, binary exploitation)

Education:

Virtual University of Pakistan

Bachelor of Science in Computer Science (2021 - 2025) - 3.2 CGPA