

Asad ur Rehman

+92 311 7080207 | aurehman.bese21seecs@seecs.edu.pk | linkedin.com/in/asad-ur-rehman | github.com/Asadur-Rehman | [Portfolio](#)

SUMMARY

Full-Stack & AI Engineer specializing in Next.js, TypeScript, and Node.js, with hands-on experience building production-grade SaaS, real-time collaborative systems, and LLM-powered features end-to-end.

EXPERIENCE

- Software Engineer** Jun 2025 – Present
Aurora Solutions *Islamabad, Pakistan*
 - Built **Exceed Booking Hub**, a multi-tenant booking SaaS in **Next.js** and **PostgreSQL**, with role-based portals for Super Admin, Manager, and Sales.
 - Implemented booking workflows, automated **Xero** invoicing and **Twilio/SendGrid** reminders, and integrated **NextAuth**, **Cloudinary**, and **Sentry** with search and audit logging.
- Software Engineer (Contract)** Sep 2024 – May 2025
Egnitify *Remote*
 - Built a client-facing web application and dashboard at an early-stage AI startup, working full-stack with **React/Next.js** on the front end and **Node.js REST APIs** on the back.
 - Collaborated directly with founders to ship features across the delivery lifecycle in a fast-moving startup environment.
- MERN Stack Developer (Intern)** Jun 2024 – Sep 2024
Eon Intelligence *Islamabad, Pakistan*
 - Shipped features and fixes across three production apps (EON Testing Tool, Test Scheduling Backend, KalorieKompass), including role-based access control for testers, admins, and team leads.
 - Developed web automation scripts, performed QA, and resolved release-blocking bugs while improving UI/UX.

PROJECTS

- SyncAPI — Real-Time Collaborative API Workspace** 2026
Next.js, TypeScript, NestJS, MongoDB, Socket.io, Redis, Turborepo
 - Built a team API workspace (Postman-style) with real-time co-editing, live presence, and a full request builder via **Socket.io**.
 - Architected as a **Turborepo** monorepo with separate **NestJS/Next.js** services and a **Redis**-backed presence cache.
- FlowCraft — AI Workflow Automation Builder** 2025
Next.js, TypeScript, React Flow, Prisma, BullMQ
 - Built a visual drag-and-drop builder with trigger, action, and **AI nodes** (summarization, generation, classification).
 - Implemented queue-based async execution with retry handling via **BullMQ**, plus real-time monitoring and multi-tenant RBAC.
- TalentScout — AI Recruitment Platform** 2024 – Present
React, Node.js, Express, MongoDB, OpenAI API, WebRTC
 - Built a platform automating hiring from **AI-generated job descriptions** to live, evaluated AI interviews.
 - Developed a real-time AI interviewer using **WebRTC** with dynamic questioning and live scoring via the **OpenAI API**.
- Arcadia — University Library System** 2025
Next.js, TypeScript, PostgreSQL, Drizzle ORM, NextAuth
 - Built a digital library with ID-verified access control and single-click borrowing and real-time availability tracking, using **Drizzle ORM** over **PostgreSQL**.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, SQL, C++
Frontend: React, Next.js (App Router), Redux Toolkit, TanStack Query, Tailwind CSS
Backend: Node.js, Express, NestJS, FastAPI, REST APIs, WebRTC, Socket.io
Databases: PostgreSQL, MongoDB, Redis, Prisma, Drizzle ORM, Firebase
AI / ML: OpenAI API, Claude API, LangChain, RAG, FAISS, HuggingFace
DevOps & Tools: Git, Docker, Vercel, CI/CD, Turborepo, BullMQ, Jest, JWT, OAuth

EDUCATION

National University of Sciences and Technology (NUST) Islamabad, Pakistan
Bachelor of Engineering in Software Engineering Nov 2021 – May 2025