

NABEEL AHMED

Senior Full-Stack Engineer — React / Next.js / Node.js / NestJS | Agentic AI Engineering (JS/TS)

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SUMMARY

Full-stack Software Engineer with 4+ years building production applications end-to-end — from React, Next.js, Angular and React Native frontends to Node.js/NestJS backends and the cloud infrastructure that runs them. Experienced architecting real-time systems, including WebRTC/VoIP calling and data-grounded AI assistants built with agentic LLM workflows. Recently focused on agentic AI engineering in JavaScript/TypeScript — building AI product features with the Gemini API, RAG (retrieval-augmented generation) pipelines, and tool/function-calling agents. Comfortable owning a feature from UI through backend services to deployment, driving architecture independently in small, fast-moving teams, and partnering directly with engineering leadership.

TECHNICAL SKILLS

Frontend: React.js, Next.js, React Native, Angular, RxJS, TypeScript, JavaScript (ES6+), HTML5, CSS/SASS, Tailwind, Material UI

Backend & Real-Time: Node.js, NestJS, Express.js, REST, WebSocket, WebRTC (VoIP calling), microservices

Agentic AI Engineering: LLM/agent development on JavaScript & TypeScript — Gemini API, RAG (retrieval-augmented generation), tool/function calling, AI agent tooling & orchestration

AI-Assisted Development: Cursor, GitHub Copilot, Claude Code — agentic & vibe-coding workflows in daily engineering

Databases & ORM: PostgreSQL, MySQL, MongoDB, Redis, Memcached, Sequelize ORM

DevOps & Cloud: AWS, Azure, Vercel, Docker, Kubernetes (AKS), Tailscale, CI/CD

Other: Git / GitFlow, Turborepo monorepos, Payment Gateway & SSO integrations, Low/No-Code customization

PROFESSIONAL EXPERIENCE

Senior Software Engineer (Team Lead)

Jan 2025 – Present

AHK Solutions | Lahore, Pakistan (On-site)

- Lead full-stack delivery across **RHK Properties'** product suite — starting with the RHK CRM web platform, then the RHK Properties iOS & Android mobile apps, and the **OWNRS UAE** property-owner app — owning architecture, delivery and deployment end-to-end in **React.js**, **Next.js**, **React Native** and **NestJS** (TypeScript).
- Direct and mentor engineers across these products, setting front-end/back-end architecture, running code reviews and driving delivery in a fast-moving team.
- Built OWNRS UAE's **AI assistant** on the **Gemini API** using agentic workflows, tool/function calling and **RAG** for context-aware, data-grounded responses.
- Engineered real-time **WebRTC VoIP calling** end-to-end — SIP trunking via Telnyx and Etisalat with TURN/STUN — backed by **NestJS microservices** deployed on **Azure Kubernetes (AKS)**.
- Led internal AI enablement sessions, upskilling the team on agentic AI, RAG and AI-assisted development workflows (Cursor, GitHub Copilot, Claude Code).
- Own deployments across **AWS**, **Vercel**, **Azure** and **Tailscale**-networked machines, from UI to backend to hosting.

Software Engineer

May 2023 – Dec 2024

Devtsy | Remote — Jeddah, Saudi Arabia

- Architected the frontend of **GA Universe**, a low/no-code drag-and-drop platform that lets users visually build and ship applications — built in **Angular** with an **RxJS**-driven reactive architecture for real-time state and data flow across the visual editor.
- Designed a dynamic **drag-and-drop builder engine** and reusable, configuration-driven components that render user-defined layouts into fully functional applications.
- Supervised end-to-end delivery of **2 client projects** built on the GA Universe platform — owning requirements, build and client handoff, and coordinating directly with stakeholders.
- Integrated third-party APIs and automated low/no-code workflows to meet client requirements and cut repetitive manual processes.

Associate Software Engineer

Jan 2023 – Apr 2023

Computech.pk | Lahore, Pakistan (On-site)

- Built **EduPortal**, a school/college/university management platform, end-to-end as a **full-stack engineer** — **React.js** frontend with a **Node.js / Express.js** backend — managing student records, fee-voucher generation, examinations and results.
- Designed and managed the relational data layer using **Sequelize ORM** over a SQL database, handling schema modeling, associations and queries.
- Built responsive, cross-device React layouts and integrated REST API endpoints for efficient data fetching and state management.
- Deployed and maintained the platform on **AWS**, owning delivery from UI through backend to hosting.

Trainee Software Engineer

Apr 2022 – Dec 2022

Alfain Technology | Lahore, Pakistan (On-site)

- Built the complete **React** frontend for **Feedback Lift**, a drag-and-drop form builder that lets users visually generate dynamic feedback forms without writing code.
- Developed an **embeddable widget** output from the builder, deployable on external websites or as a tablet-based feedback kiosk (e.g. for restaurants).
- Engineered reusable, component-driven UI and dynamic form-rendering logic to translate user-defined form configurations into live, interactive forms.
- Collaborated with design, product and backend teams and participated in code reviews to maintain code quality.

SELECTED PROJECTS

OWNRS UAE — Property Owner Management App — [React Native](#), [NestJS](#), [Gemini API](#), [Agentic AI / RAG](#)

Mobile app (a RHK Properties sub-app) that helps UAE property owners manage their properties, with an AI assistant built on the Gemini API using agentic workflows, tool/function calling and RAG for context-aware responses.

RHK Properties — Real-Estate Platform with VoIP Calling — [Next.js](#), [NestJS microservices](#), [WebRTC](#), [Azure AKS](#)

Real-estate platform built end-to-end with a Next.js frontend and NestJS microservices, featuring real-time in-app WebRTC VoIP calling, containerized with Docker and deployed on Azure Kubernetes.

AI See — Industrial Vision Defect Detection — [Microservices](#), [React](#), [NestJS](#), [AI Service](#)

AI-powered industrial visual-inspection system that detects product defects on a conveyor belt in real time — built as independent microservices (file-uploader, main backend, AI inspection, post-processor and frontend) that ingest camera images, evaluate them against product rules and surface defects live.

OMC (Oxford Management Consultant) — Corporate Services Portal — [Next.js](#), [NestJS](#), [Turborepo](#)

UAE corporate-services portal for company registration, tax, visa and office setup with a full lead pipeline and Facebook, Instagram, WhatsApp and Zoho CRM integrations.

Zebra Doctor (Zebdoc) — Hospital Management & Appointments — [MERN](#)

HIPAA-compliant practice management platform with online booking, appointment scheduling, telehealth integration and patient-engagement features.

EDUCATION

BS in Information Technology

2018 – 2022

Punjab University | Lahore, Pakistan