

RANA FARAZ ASLAM KHAN

Full Stack Web Engineer: Expertise in Next JS, React JS, Node JS, Nest JS and PostgreSQL

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PROFESSIONAL EXPERIENCE

LOGICON LLC, Chicago, Illinois, Illinois • Web Engineer
09/2024 - Present

At LOGICON LLC, I leverage my expertise in Next.js, NestJS, and modern AI-driven tooling to architect and deliver high-performance web applications. I play a central role in building and scaling key platforms, including a crypto marketplace, an AI-powered document analyzer, a real-time transcription assistant (Ninja Notes), and a bilingual ecommerce storefront. My focus spans from seamless user experience to scalable backend infrastructure and secure, performant APIs — often collaborating with cross-functional teams to turn complex business needs into intuitive solutions.

- Led the development of a feature that boosted user engagement by **30%** on the crypto marketplace.
- Spearheaded API performance optimization, resulting in a **25% improvement** in backend response times.
- Integrated advanced AI-driven document analysis workflows, reducing manual review time by **50%**.
- Established CI/CD pipelines and automated testing protocols, cutting deployment issues and bugs by **35%**.

ESGO LTD, United Kingdom • Web Engineer
12/2022 - 09/2024

At ESGO LTD, I worked extensively with Figma, React, Angular, Node.js, Next.js, and AWS EC2 to develop and deploy high-quality web applications. My role involved leading key projects that significantly improved user engagement and website performance. I collaborated with global teams to enhance security measures. My work at ESGO LTD. focused on delivering impactful results and driving the company's technological advancements.

- Led the development of a key web application feature that increased user engagement by 25%.
- Spearheaded a project to optimize the website's performance, resulting in a 30% reduction in load times.
- Collaborated with global teams to implement a new authentication system, enhancing security and user experience.
- Introduced automated testing procedures, reducing bugs by 40% and improving deployment efficiency.

Aivia Technologies, Pakistan • Associate Software Engineer
04/2021 - 09/2022

At Aivia Technologies, I specialized in developing innovative web and mobile applications using React Native and React JS. My role involved creating a cross-platform mobile application and enhancing the main web application to improve client satisfaction. I implemented state management solutions with Redux to ensure scalable and maintainable codebases.

- Worked extensively on React Native and React JS to develop innovative web and mobile applications.
- Developed a cross-platform mobile application using React Native, which gained 10,000+ downloads within the first three months.
- Enhanced the company's main web application with new features using React JS, leading to a 15% increase in client satisfaction.
- Implemented a state management solution using Redux, improving the scalability and maintainability of the codebase.
- Reduced the application loading time by 20% by optimizing key components and improving overall performance.
- Mentored junior developers and conducted code reviews, fostering a collaborative and high-performing team environment.

PROJECTS

Project 1: Ninja Notes (An AI powered transcription and meeting management app)

Technologies Used:

- Frontend: React JS, Tailwind, ShadCN, axios, zustand, framer-motion, tiptap, Remark, Zod
- Backend: Nest JS, FFmpeg, Deepgram, Vercel AI, Kafka, Algolia, Socket.IO

Details:

Frontend: Developed a modern, responsive UI using **React**, **Tailwind CSS**, **ShadCN**, and **Framer Motion**. Utilized **Zustand** for state management and **Tiptap** for rich-text editing with Markdown support via **Remark**. Ensured robust data validation using **Zod**.

Backend: Architected scalable services using **NestJS**, integrating **Deepgram** and **FFmpeg** for high-accuracy audio transcription and processing. Implemented **speaker recognition** to differentiate and label voices across dialogues.

AI & Search: Integrated **Vercel AI SDK** for natural language querying and summarization. Employed **RAG (Retrieval-Augmented Generation)** techniques with **Algolia** for fast, intelligent semantic search across transcripts.

Real-Time & Streaming: Used **Socket.IO** and **Kafka** to enable real-time transcription updates and reliable event-driven processing.

Designed with performance and scalability in mind, including audio chunking, low-latency processing, and admin support tooling (account/billing management, speaker troubleshooting, etc.).

Impact: Empowered users to capture, organize, and search hours of multi-speaker audio with near real-time accuracy, reducing manual note-taking time by over 80%.

Live Link: <https://ninjasnotes.com/>

Project 2: Lnuits – Multilingual Ecommerce Platform

Technologies Used:

- Frontend: NextJS, SSR, SSG
- Backend: Vendure (opensource NestJS Backend for ecommerce), Twilio, Sendgrid

Details:

Frontend: Built with **Next.js** and implemented full **internationalization** (i18n) for **Arabic (RTL)** and **English (LTR)**, ensuring a seamless UX across languages.

Backend: Powered by **Vendure**, a headless GraphQL-based commerce framework, with custom extensions for product management, order workflows, and multilingual content support.

Integrated dynamic storefront components such as product listings, cart, and checkout, optimized for both desktop and mobile.

Emphasized performance and SEO using static generation and server-side rendering strategies.

Impact: Enabled a fully bilingual shopping experience, opening access to a broader regional market and improving customer engagement across MENA audiences.

Live Link: <https://lnuits.com/>

EDUCATION

Bachelor in Computer Science • University of South Asia, Pakistan

Graduation Year (2019 - 2022)

Intermediate in Computer Science • Concordia College, Pakistan

Graduation Year (2016 - 2018)