

KOMAL RAJ

Senior Frontend Engineer

React • Next.js • TypeScript | AI-powered Web Applications

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PROFESSIONAL SUMMARY

Senior Frontend Engineer with **6+ years of experience** building scalable SaaS products using React, Next.js, TypeScript, and modern frontend architecture. Experienced in leading frontend development, optimizing application performance, and delivering production-ready products from concept to deployment. Recently expanded expertise into Generative AI by building **AI-powered web applications** using LangChain, Retrieval-Augmented Generation (RAG), vector databases, and LLM APIs. Passionate about combining modern frontend engineering with AI to create intelligent user experiences.

SKILLS

Frontend: React, Next.js, JavaScript, TypeScript, Redux, TailwindCSS, Material UI, HTML, CSS, Redux Toolkit, React Query

Backend: Node.js, Express, REST API, GraphQL, Prisma

AI & GenAI: OpenAI API, LangChain, RAG, Embeddings, Qdrant, Prompt Engineering, Semantic Search, Tool Calling, Whisper

DevOps: Git, GitHub Actions, CI/CD, Vercel, AWS

PROFESSIONAL EXPERIENCE

Lead Frontend Engineer at KLoc Tech. (Oct 2025 - Present)

- Leading frontend development for a US-based art marketplace, partnering closely with stakeholders to deliver scalable, user-centric features using **Next.js and TypeScript**.
- Own the end-to-end frontend lifecycle** - from architecture and reusable component design to code reviews, CI/CD, and production deployments—ensuring high code quality and reliability.
- Integrated **Sanity CMS** and **Shopify** to build a seamless content and e-commerce experience while driving engineering best practices across the team.

Founder & AI Product Developer | Building DHAGA.AI (Jan 2025 - Sep 2025)

- Founded and built **Dhaga.ai**, an AI-powered platform for fashion designers, leading product strategy, architecture, and full-stack development from concept to MVP.
- Developed intelligent workflows using **LangChain**, **LLMs**, **RAG**, and **vector databases** to power conversational AI, semantic search, and domain-specific recommendations.
- Integrating AI services into a scalable, production-ready web application.

Senior Frontend Engineer at **ZenAdmin.ai** (July 2024 - Dec 2024)

- Developed the frontend for an AI-driven HR and IT automation platform.
- Managed the **deployment process using Vite**, ensuring smooth build pipelines and fast production releases, while maintaining code quality and application stability.
- Integrated automated tracking, Slack channels, and HubSpot forms.

Freelance Frontend Developer (Project: **RangerAI**) (Nov 2023 - Jun 2024)

- Developed and delivered responsive, high-performance UIs using Next.js and TypeScript for an AI-powered platform.
- Integrated **LLM-driven data** to dynamically generate and present content, creating an adaptive, user-focused interface aligned with project requirements.

Senior Software Engineer at **Virtual Internships** (Sep 2022 - Oct 2023)

- Architected and developed the frontend for an **education-focused SaaS platform** from the ground up, delivering a production-ready product with a scalable codebase.
- Implemented caching strategies, performance optimizations, and **SEO** best practices to improve load speed, search visibility, and user acquisition, while setting up a GitHub Actions **CI/CD pipeline** for automated testing and deployments.

Software Engineer at **KheloMore** (Feb 2020 - Aug 2022)

- **Delivered scalable frontend** applications using React.js, collaborating closely with product, design, and backend teams.
- **Enhanced application performance** through data-driven optimizations using Google Analytics and CleverTap.
- Mentored junior developers, performed code reviews, and **introduced GraphQL** best practices to improve engineering quality.

ACHIEVEMENTS

- **Boosted Page Speed**, enhancing performance and increasing customer retention.
- **Developed and delivered a scalable, multi-tenant solution** in just five months, ensuring high-quality standards.

EDUCATION

Web Development Course

AltCampus, 2018 - 2019

BCA (Bachelor of Computer Applications)

Bihar University, 2013-2016