

Sameer Khan

Full Stack Web Developer

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Portfolio: sameerkhan.vercel.app

Profile Summary

Full Stack Web Developer with **2 years 8 months of professional experience** specializing in **MERN stack** and **AI-powered applications**. Experienced in building scalable web and mobile solutions using **React.js, Next.js, Node.js, Express.js, MongoDB, and Flutter**. Hands-on experience with **Generative AI technologies**, including **Retrieval-Augmented Generation (RAG), embeddings, LangChain, prompt engineering, and vector databases (Pinecone)**. Proven track record in developing **HIPAA-compliant healthcare platforms**, integrating secure APIs, and optimizing system performance. Strong problem-solver with a passion for building intelligent, user-centric products.

Technical Skills

Programming Languages: JavaScript (ES6+), TypeScript, Python, Dart, HTML5, CSS3

Frontend: React.js, Next.js, React Native, Capacitor, Ionic, TailwindCSS, Material-UI, Vite, Zustand, Redux, React Query

Backend: Node.js, Express.js, API Gateway, Webpack, JWT Authentication, OAuth, Auth0

Database: MongoDB, MySQL

AI / GenAI: Retrieval-Augmented Generation (RAG), Embeddings, LangChain, Prompt Engineering, Vector Databases (Pinecone)

Mobile Development: Flutter, React Native, Capacitor, Ionic

Payment Integrations: Stripe, Razorpay, BigTree

Testing & Deployment: Jest, Vitest, Vercel, CI/CD Tools, Jira

DevOps & Tools: Git, GitHub, Git Bash, NPM, ESLint, Webpack

Cloud & AWS: Amazon EC2, Amazon S3, Amazon VPC, Amazon EFS, IAM (Basic), Cloud deployment basics

Work Experience

Elate Care Solutions Pvt. Ltd. | Full Stack Web Developer

Dec 2023 – Present

Project 1 – Sofiya

- **Role:** Software Developer
- **Tech Stack:** React.js, Material-UI, Node.js, Express.js, MongoDB, Zustand, Jest
- Developed an **AI-powered automation system** to streamline patient–doctor communication.
- Built **automated call workflows** to record responses and generate actionable insights.
- Enhanced healthcare follow-ups, reducing manual effort and improving patient engagement.

Project 2 – Remote Patient Monitor Portal

- **Role:** Software Developer
- **Tech Stack:** React.js, Material-UI, Node.js, Express.js, MongoDB, Zustand, Jest
- Developed a **real-time patient monitoring platform** for at-risk individuals.
- Enabled **virtual consultations, proactive risk assessments, and remote assistance**, ensuring timely medical intervention.

Project 3 – CCM.AI (Cardiac Care Management App)

- **Role:** Software Developer
 - **Tech Stack:** MERN Stack, Capacitor, Node.js, Express.js, MongoDB, React.js, Secure APIs
 - Contributed to a **HIPAA-compliant mobile & web app** for accelerating **emergency cardiac care** (STEMI patients) across Mount Sinai hospitals.
 - Implemented **real-time “Raise Alarm” feature**, EKG uploads, secure chat/video, and patient transfer tracking.
 - Enabled live cath lab preparation with **automated alerts** and team collaboration.
 - Reduced **treatment delays by up to 30 minutes**, improving patient outcomes & early discharge rates.
 - Added **AHA-based post-discharge guidance** (medication, diet, follow-up).
 - Supported **system-wide scalability and digital transformation** of emergency workflows.
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NeutrinosTech | Full Stack Web Developer

Jun 2023 – Nov 2023

- Led **frontend development** using React.js & Next.js, ensuring responsive and accessible design.
 - Built and optimized **RESTful APIs** and backend architecture with Node.js & Express.js.
 - Optimized SQL and NoSQL database performance for **scalable deployments**.
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Education

- **Bachelor of Engineering (B.E.) in Electronics and Communication Engineering**
– Deccan College of Engineering and Technology, **Hyderabad**, 2022
- **Intermediate (MPC)** – 2018
- **SSC (10th Standard)** – 2016