

Vajresh Patkar

Founding Engineer | Senior Full Stack Engineer

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PROFESSIONAL SUMMARY

Founding Engineer with 4+ years of experience building AI, Healthcare, SaaS, and Learning Management products from concept to production. Experienced in Next.js, React, Node.js, TypeScript, GraphQL, MongoDB, PostgreSQL, and AWS. Strong background in system design, API development, database architecture, and product ownership focused on building reliable, scalable applications.

Preferred Work Mode: Remote / Hybrid (with occasional on-site meetings across India)

SERVICES & CORE OFFERINGS

0-to-1 MVP & SaaS

Rapid architecture, prototyping, and end-to-end full-stack delivery from concept to scale.

High-Performance APIs

Scalable GraphQL & REST schemas, microservices, and optimized database design.

AI & Workflow Systems

Custom LLM/OpenCV integrations, embeddable widgets, and complex interactive flows.

Frontend & Speed

Modern Next.js/React architecture, SEO tuning, and sub-second PDF generation.

Cross-Platform Apps

Hybrid mobile development with real-time sync using React Native & Capacitor.

Cloud & DevOps

CI/CD automation, Dockerization, AWS/GCP infrastructure, and monitoring setups.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript
Frontend: Next.js, React.js, Preact, Tailwind CSS, HTML5, CSS3, Bootstrap
Backend & APIs: Node.js, Express.js, GraphQL, Apollo Server, REST APIs, Microservices, Software Architecture
Databases: MongoDB, PostgreSQL, Firebase, Supabase, Database Design, Query Optimization
Cloud & DevOps: GCP, AWS (EC2, S3, ALB), Docker, Azure DevOps, Sentry, CI/CD, Git, GitHub Actions
Mobile: React Native, Capacitor

PROFESSIONAL EXPERIENCE

Hairscope.ai – Lead Product Engineer (Founding Team) *(Full-Time)* **May 2024 - Present**

- Built the core AI healthcare platform using Next.js, Node.js, GraphQL, TypeScript, and MongoDB.
- Designed a scalable GraphQL architecture that simplified API development and reduced redundant database operations.
- Architected a new PDF generation pipeline using Typst, replacing a React + Puppeteer implementation and reducing report generation time by over 98%, from 30 seconds to 450 ms.
- Built AI diagnostic interfaces with optimistic UI updates and resilient state management.
- Collaborated directly with founders on product architecture, technical direction, and implementation strategy.

Skyline Meridian – Full-Stack Developer *(Full-Time)* **Apr 2022 - Present**

- Designed GraphQL APIs and backend services for multi-tenant OTT and enterprise applications.
- Led end-to-end development of Learning Management System features using Next.js, Node.js, React Native, and Capacitor.
- Built reusable frontend components, authentication modules, and backend services.
- Contributed to system architecture, database design, deployment pipelines, and production support.

MargHealth & Docon (PharmEasy B2B) – Full Stack Web Developer *(Full-Time)* **Aug 2021 - Mar 2022**

- Built inventory and procurement management systems using React, Node.js, and PostgreSQL.
- Implemented Role-Based Access Control (RBAC) for enterprise healthcare applications.
- Integrated Sentry monitoring and error tracking.
- Collaborated with cross-functional teams to deliver production-ready healthcare solutions.

SELECTED PROJECTS

- Skingenii & Skin Code Widgets:** Built AI-powered skin analysis widgets using OpenCV, Next.js, and Gemini API; developed embeddable diagnostic components and personalized recommendation flows.
- Dynamic Mobile Applications:** Built cross-platform applications using React Native and Capacitor with real-time synchronization.

EDUCATION

Higher National Diploma
Lithan • 2020 - 2023
Computer Science (App Dev)

LANGUAGES

English (Full Professional)
Hindi / Marathi (Native)

INTERESTS

Coding, Traveling, Anime
(Comprehension focused)