

NISHIT PATEL

Senior Software Engineer | Full-Stack Development · AI Integration

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Surat, Gujarat, India

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SUMMARY

Senior Software Engineer and Team Lead with 8+ years of experience architecting, building, and scaling production SaaS platforms and full-stack web and mobile applications. Currently lead a cross-functional team of 8+ engineers across 3+ concurrent projects at Propelius Technologies, where structured code reviews, sprint planning, and architectural decision records (ADRs) improved team velocity by 30%. Deep expertise in React, Next.js, TypeScript, Node.js, NestJS, GraphQL, PostgreSQL, and AWS cloud architecture, with hands-on AI/LLM and voice-agent integration (OpenAI, Retell AI, Twilio) and HIPAA-compliant healthcare SaaS delivery. Two-time Employee of the Year (2024, 2025) for technical leadership, on-time delivery, and developer mentorship.

EXPERIENCE

Senior Software Engineer & Team Lead

Propelius Technologies Full-Time

Oct 2021 – Present • Surat, India

- Lead a cross-functional team of 8+ engineers across 3+ concurrent client projects — owning technical direction, sprint planning, resource allocation, and stakeholder communication while consistently delivering milestones on schedule.
- Lifted team velocity 30% by instituting structured code reviews, sprint-planning rituals, and architectural decision records (ADRs) as engineering standards.
- Architect and ship production SaaS platforms with Next.js, TypeScript, Node.js/NestJS, GraphQL, and PostgreSQL — deployed on AWS and Vercel behind CI/CD pipelines with clean, scalable architecture.
- Built HIPAA-compliant, low-latency AI voice assistants for clinical operations across two client projects (Retell AI and Twilio), automating appointment booking, rescheduling, and cancellation plus clinic and doctor FAQs and a general medical-tips chatbot.
- Developed an AI doctor-consultation copilot that transcribes live consultations in real time, suggests follow-up questions, and drafts notes for physician verification — then auto-generates referral letters, visit summaries, prescriptions, and diet guidance.
- Engineered a collaborative transcript-editing platform (SlateJS) with Zoom and Filestack integrations, powering vendor-editing and reviewer-approval workflows, AI summaries, and template-based report generation.
- Shipped a React Native (Expo) client-portal app with a native audio-recording module that feeds captures directly into the transcription pipeline.
- Built a cross-platform Employee Daily Task Tracker (Electron.js) for macOS, Windows, and Linux with automated screenshot capture, and delivered core features for the company's internal ERP.
- Drove company-wide adoption of AI-assisted development (Claude Code, Cursor AI, OpenAI APIs), accelerating feature delivery across concurrent projects.
- Mentor junior engineers and partner with PMs, QA, and clients — raising team performance through knowledge sharing and code review while translating requirements into scalable solutions.

KEY ACHIEVEMENTS

Two-Time Employee of the Year

Recognized in 2024 and 2025 at Propelius Technologies for technical leadership, on-time delivery, and mentorship.

30% Faster Team Velocity

Instituted code reviews, sprint rituals, and ADRs that measurably accelerated a team of 8+ engineers.

3× Client Inquiries

Delivered an SEO-optimized, mobile-first site that tripled a manufacturing client's online inquiries.

HIPAA-Compliant AI Voice Systems

Shipped low-latency clinical voice assistants automating booking, rescheduling, and patient FAQs.

CORE COMPETENCIES

- Full-Stack Architecture & System Design
- SaaS Product Development
- Technical Leadership & Mentoring
- AI / LLM Integration
- Cloud & Serverless (AWS)
- Performance Optimization & Scalability
- Agile / Scrum & Sprint Planning
- Code Review & Engineering Standards
- REST & GraphQL API Design

SKILLS

Frontend: React, Next.js, TypeScript, Redux Toolkit, SlateJS, Tailwind CSS

Backend: Node.js, NestJS, REST, GraphQL, Socket.io, Prisma, TypeORM

Mobile / Desktop: React Native (Expo), Electron.js, Android, Capacitor

Cloud / DevOps: AWS (EC2, Lambda, S3, Cognito, Bedrock), Vercel, Docker, CI/CD

Databases: PostgreSQL, MySQL, SQLite, DynamoDB, Redis, Firebase, Supabase

AI / LLM: OpenAI API, Retell AI, Twilio, Telynx, LLM Integration, Prompt

Freelance SaaS Developer

Independent · Remote Part-Time

Jul 2017 – Present

- Design and deliver SaaS products end-to-end for clients worldwide — owning requirements, system design, development, cloud deployment, and post-launch support across AI, healthcare, education, and event-management domains.
- Increased a manufacturing client's online inquiries 3× with an SEO-optimized, mobile-first corporate website (React, Tailwind CSS, Vercel) showcasing industrial product catalogs.

Full-Stack Developer

OM Tech Software Full-Time

Mar 2018 – Sep 2021 • Surat, India

- Built and shipped 8 production web and mobile applications across eCommerce, accounting, sports-club management, healthcare, and logistics — each with live data synchronization to accounting ERP systems.
- Engineered School Zone, an end-to-end eCommerce platform (web + mobile) for student books, uniforms, and stationery, covering inventory management, order processing, and delivery workflows.
- Developed MaxFile, a field-sales app with GPS salesman tracking, outstanding-collection and daily-expense modules, geo-tagged visit logs with image capture, and automated order and expense reporting.
- Delivered a unified membership platform for three premier Surat sports clubs with payment-gateway AMC collection, digital receipts, event alerts, and member verification.

Full-Stack Developer

Innovative Iteration Software Solutions Full-Time

Jul 2017 – Feb 2018 • Surat, India

- Developed features for client web and mobile applications using JavaScript, PHP, Android, HTML5/CSS3, and MySQL within an agile delivery team.

KEY PROJECTS

- **Greatly — AI Audio Editing (React · OpenAI · AWS).** Architected an intuitive AI-driven platform that automates intelligent audio processing for non-technical users; owned architecture end-to-end through AWS deployment.
- **Telemedicine Platform (Android · Firebase · Payments).** Built video consultations, patient-history tracking, prescription management, and multi-language online payments — enabling remote care for hundreds of rural patients.
- **Ganesh Utsav Event Management (Android · Firebase · QR · Maps).** Digitized permit generation with QR-code verification and multi-stage police approvals; served 500+ participants and cut manual admin work 80%.
- **Driving Zone Calgary (Next.js · Payments · SEO).** Delivered a production lesson-booking platform with session registration, integrated payments, course catalog, and live Google reviews — live at drivingzonecalgary.ca.

Engineering, RAG, AI Voice Agents, Speech-to-Text, Function Calling, Conversational AI

Dev Tools: Claude Code, Cursor AI, v0, Git/GitHub, Jira

EDUCATION

M.Sc. Information Technology

Veer Narmad South Gujarat University

2015 – 2017 • Surat

B.Sc. Information Technology

Veer Narmad South Gujarat University

2012 – 2015 • Surat

CERTIFICATIONS

- Course on Computer Concepts (CCC) — DOEACC Society, 2010
- InOut Hackathon — SVNIT Surat, 2014–15
- National Creativity Aptitude Test, 2013–15

LANGUAGES

English • Hindi • Gujarati