Sahil Bhanvadiya

Senior Software Engineer & Team Lead
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Professional Summary

Senior Full-Stack Engineer & Technical Lead with over 4 years of experience architecting and delivering scalable, end-to-end solutions. Expert in bridging the gap between business goals and technical execution, taking products from **concept to production** using **scalable full-stack technologies**, **cloud-native architectures**, and **modern AI**. Proven track record of consulting with stakeholders to drive product strategy, leading development teams, and taking full ownership of system performance and delivery. Passionate about building future-ready applications that leverage **emerging AI technologies** to solve complex business challenges.

Technical Skills

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3.

Frontend Ecosystem: React.js, Next.js, Redux, Angular, Tailwind CSS, Responsive Design.

Backend & Architecture: Node.js, Express.js, Microservices, Event-Driven Architecture, RESTful APIs, WebSockets.

Database & Storage: PostgreSQL, MongoDB, Airtable, Redis.

Cloud & DevOps: AWS (EC2, S3, Lambda, SES, Route 53), Docker, CI/CD Pipelines.

AI & Automation: LLM Integration, LangChain, LangGraph, RAG (Retrieval-Augmented Generation), Agentic Workflows, Prompt Engineering.

Leadership & Strategy: Agile/Scrum, System Design, Code Reviews, Team Mentorship, Technical Feasibility Analysis.

Professional Experience

Seaflux Technologies
Ahmedabad, India | Dec 2021 – Present

Senior Software Engineer & Team Lead | Jan 2024 – Present

- **AI Innovation & Strategy:** Spearheaded the integration of Agentic AI and LLM workflows (using LangChain & LangGraph) into core products, automating complex user tasks and driving product differentiation.
- **Technical Leadership:** Lead a cross-functional team of 5 developers, orchestrating sprint planning, code reviews, and architectural decision-making to ensure timely delivery of robust production features.
- **System Architecture:** Architect scalable, cloud-native solutions on AWS, making high-level decisions on infrastructure, database design (PostgreSQL/MongoDB), and security compliance.

Software Engineer | Jan 2023 – Dec 2023

- **System Optimization:** Engineered end-to-end full-stack solutions for high-traffic applications, successfully identifying and resolving bottlenecks to optimize API response times.
- **Complex Feature Delivery:** Implemented real-time data sharing and telehealth features using WebSockets and Node.js, significantly reducing administrative friction.

Junior Software Engineer | June 2022 – Dec 2022

- **Full-Stack Development:** Developed responsive web applications using React and Node.js, ensuring pixel-perfect UI/UX implementation and seamless API integration.
- **Performance Tuning:** Optimized frontend rendering engines (Redux) to handle low-latency updates, ensuring instant access to critical data.

Software Engineering Intern | Dec 2021 – May 2022

- **Core Feature Support:** Assisted senior developers in building reusable UI components and writing efficient database queries for MVP modules.

Key Projects

AI-Powered Patient Triage System (Full-Stack Developer & Project Manager)

Tech Stack: React, Next.js, Node.js, PostgreSQL, LangChain, LangGraph, LLM Integration, RAG, AWS, Socket.io

- Architected and developed a secure, full-stack healthcare application to streamline patient intake and information management.
- Engineered a conversational AI agent using LangGraph for complex state management, enabling the system to perform triage, answer FAQs, and dynamically route patients to the correct medical resources.

Enterprise Healthcare Platform (Full-Stack Developer)

Tech Stack: React, Next.js, Node.js, PostgreSQL, AWS, Socket.io

- Architected a secure, cloud-based solution compliant with strict healthcare data standards, ensuring seamless interoperability between EMR and CHR modules.
- Implemented real-time data sharing and telehealth features, significantly reducing administrative friction and improving provider-patient care coordination.

Innovative Event Management Platform (Project Manager & Lead Full-Stack Developer)

Tech Stack: React, Next.js, Node.js, MongoDB, AWS

- Led the full-stack development of a multi-platform ecosystem (Web, Admin Panel, Mobile Apps), featuring complex tiered ticketing systems and staff-facing redemption tools.
- Engineered brand engagement tools and a pass redemption system that streamlined entry management and enhanced the attendee experience.

Crypto Mining Analytics Dashboard (Full-Stack Developer)

Tech Stack: React, Redux, Next.js, Node.js, REST APIs, Third-party Data Feeds

- Developed a high-frequency trading dashboard aggregating real-time data on ASIC miner profitability and coin metrics from multiple external APIs.
- Optimized frontend rendering to handle low-latency updates, ensuring miners have instant access to critical investment data without UI lag.

Education

Bachelor of Engineering in Computer Engineering
Gandhinagar University, Ahmedabad | 2018 – 2022