Sunil Joshi

🚀 Engineering Director • Startup CTO • AI Leader | 20+ Years in Tech | 10+ Years in Startups

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👤 About Me

I'm a senior technology leader with **20+ years** in software engineering, including **10+ years** building and scaling products in fast-paced startups. I specialize in **full-stack product engineering, AI/automation, cloud architecture**, and leading high-ownership engineering teams.

My focus is building lean, scalable, maintainable systems that solve real business problems — from modernizing legacy platforms to shipping new SaaS products end-to-end. I enjoy bridging tech + product, simplifying complexity, and enabling teams to deliver consistently through clean architecture and strong engineering culture.

💼 Experience

🔗 AirFi Aero - Engineering Director (Remote)

2022—Present

AI Initiatives

- Built a **Travel Concierge Agent** for travel recommendations, operational support, and real-time assistance
- **AI-driven log analysis & prediction system** built using LangChain & LangGraph — reduced incident triage time.
- Automated QA workflows with LLM agents

Leadership

- Owned **roadmaps**, quarterly planning, OKRs

- Modernized engineering workflows using CI/CD, automation, observability, IaC, improving delivery velocity by 40%.
- Led distributed teams (8-25 engineers) across frontend, backend, QA, AI/ML, and DevOps.

ℤ Zay.works - Lead Architect (Remote)

2015—2022

- First engineering hire → scaled the team
- Architected backend for **Zaycare**
- Built hiring pipeline & engineering culture

FIS - Lead Developer

2009—2015

- Built enterprise financial products, APIs, and integrations

⬩ Mastek - Developer

2005—2009

- Enterprise application development using .NET & SQL

🛠 Tech Stack

Languages & Frameworks

Node.js, TypeScript, React, Next.js, React Native, Tailwind CSS

Backend & Architecture

GraphQL, Express.js, MongoDB, SQL/PostgreSQL

AI & Automation

LangChain, LangGraph, N8N, Vector DBs, Embeddings

Cloud & DevOps

AWS Serverless Stack — Lambda, API Gateway, EventBridge, SQS, CI/CD(GitHub actions)

🌐 Domains

Aviation

- In-flight entertainment (IFE) systems, connectivity, and content streaming.
- End-to-end O2S (Order-to-Seat) solutions and passenger experience optimization.
- AI-driven analytics for flight operations, passenger engagement, and service personalization.

Child Care

- Digital platforms for early childhood development and parental engagement.

- Automation of daycare management processes, including scheduling, billing, attendance, and reporting.
- Solutions tailored for European daycare industry standards and regulations.

🎓 Education

Masters in Computer Application — Pune University