

# SAVINAY KUMAR

Senior Software Engineer & Technical Lead: Backend, Platform, Distributed Systems & GenAI

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## SUMMARY

Senior software engineer and technical lead with 5+ years of professional experience (building software since 2019), scaling backend platforms, distributed systems, and AI-powered products end to end, from API design down to the infrastructure they run on. Hands-on across Go, TypeScript, and Python, with deep experience in event-driven microservices, cloud-native infrastructure (Kubernetes, Terraform), and GenAI/RAG. Track record of shipping products 0 → 1 and raising engineering standards through architecture and code review.

## CORE SKILLS

**Languages:** Go, TypeScript, JavaScript, Python, Dart, C++

**Backend & Distributed Systems:** Microservices, event-driven architecture, ConnectRPC / gRPC / Protobuf, NATS JetStream, Kafka, Temporal, GraphQL, REST APIs, FastAPI, WebRTC / WebSockets

**Cloud & DevOps:** Kubernetes (GKE), Terraform (multi-cloud: GCP / AWS / Cloudflare), Helm, GitOps (FluxCD), Docker, CI/CD (GitHub Actions), observability (Grafana, Loki, VictoriaMetrics), Linux

**Databases & Data:** PostgreSQL (PostGIS, pgvector), MySQL, Redis / Valkey, MongoDB

**AI / ML:** LLMs / GenAI, RAG, Gemini, self-hosted inference (vLLM), LLM evals & observability, agents (tool-calling, MCP), MLOps / LLMOps

**Mobile & Frontend:** Flutter, React.js, Next.js, Tailwind CSS, full-stack development

**Leadership:** Team leadership, hiring, technical architecture, code review, cross-functional delivery

## EXPERIENCE

### Technical Lead & Co-Founder (Self-employed) | Neosenth

Jan 2026 – Present • Remote

- Co-founded Neosenth and built ViHi, a video-first local-services platform live on the App Store and Google Play, from zero to a production system of 15+ event-driven Go microservices.
- Architected the platform and infrastructure: Kubernetes (GKE), Terraform across GCP / AWS / Cloudflare, GitOps (FluxCD), NATS JetStream eventing, and PostgreSQL (PostGIS, pgvector).
- Built the LLM / MLOps layer: RAG pipelines, self-hosted model serving (vLLM), prompt and model versioning, automated evals, LLM observability, and tool-calling agents (MCP), while leading product, hiring, and go-to-market.

### Senior Software Engineer (SDC-II) | Lumen Technologies

Nov 2024 – May 2026 • Bengaluru, India (Hybrid)

- Owned and delivered products including Colorless and IBN (Intent-Based Networking) within Lumen's NaaS (Network as a Service) platform, driving them from requirements through production.
- Built network-automation services and workflows using Temporal and Itential, improving how enterprise network operations were orchestrated and executed.
- Delivered backend automation components in TypeScript with a focus on reliability, scalability, observability, and production-grade delivery.
- Partnered with network, platform, and product stakeholders to translate operational requirements into automation.

### Senior Software Engineer (Team Lead) | Zeliot

Mar 2023 – Dec 2024 • Bengaluru, India (On-site)

- As team lead, owned architecture, code review, and delivery across full-stack and microservices, raising throughput and code quality.
- Built AI and computer-vision capabilities for vehicle tracking and monitoring, sustaining low-latency performance around 400ms.
- Optimized GraphQL and REST APIs, substantially improving response times and reducing page load times.
- Created GenAI and RAG-powered services for real-time analytics and product features.

### Software Engineer | S2T (AI-Powered Investigations / WEBINT / OSINT)

Sep 2021 – Feb 2023 • Remote

- Engineered microservices and full-stack features for AI-powered investigation products, reducing service latency into the sub-second range and materially improving system performance.
- Refactored legacy code and data-access paths, significantly accelerating database transactions while adding fault tolerance.
- Rebuilt background-processing pipelines for dramatically faster data ingestion.

### Technical Lead / Co-Founder | Career Capsule

Feb 2019 – Apr 2021 • Hamirpur, India (alongside undergraduate studies)

- Built a WebRTC-based live-class platform supporting 100+ concurrent students in a single live session.

## EDUCATION

### B.Tech, Computer Science and Engineering | Indian Institute of Information Technology (IIIT) Una

Aug 2017 – May 2021