

SRAVAN TURIBILLI

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SUMMARY

Staff-level Backend & Platform Engineer with 11+ years building scalable distributed systems, cloud infrastructure, and AI/data platforms. Architected systems serving **150M monthly sessions** and delivered **\$200K+ in recurring monthly cost savings**. Most recently built GoHeartBeat's enterprise analytics platform and engineering team from the ground up, enabling a \$180K annual contract.

EXPERIENCE

GoHeartBeat

Founding Engineer · Sep 2024 – Present

Led engineering of an analytics platform from idea to production, owning technical direction across backend, infrastructure, and AI.

- Identified business context as the **missing abstraction** in analytics and built a CubeJS semantic layer to encode business definitions independently of underlying data structures.
- Cut the time from customer data access to delivered insights from **weeks to hours** by building reusable analytics and dashboard components.
- Evolved the data architecture for enterprise data residency, keeping data within customer-owned AWS infrastructure and enabling a **\$180K annual banking contract**.
- Built an **AI-powered analytics assistant** that translated natural-language questions into validated semantic-layer queries, returning business answers in seconds.
- Built and led the engineering team, hiring backend and frontend engineers and establishing engineering practices for the platform.

Tech: Python · CubeJS · ClickHouse · Kubernetes · Terraform · CI/CD · MCP · Tool Calling

BYJU'S

Principal Software Engineer · Aug 2022 – Aug 2024

Led engineering across two distinct products: building Byju's Future School from scratch and transforming the existing WhiteHat Jr. platform.

- Architected the backend for Byju's Future School as a **modular microservices platform**, integrating BYJU'S and WhiteHat Jr. through domain-owned services.
- Built a common engineering platform with shared libraries and services for authentication and communication, enabling 3 teams to own their business domains while sharing engineering foundations.
- At WhiteHat Jr., re-architected the backend around durable asynchronous messaging, making the opaque system easier to reason about and giving engineers ownership of its core components.
- Diagnosed reactive scaling lag as the cause of **~70% of incidents** and replaced reactive scaling with predictive scaling based on scheduled class demand, eliminating peak-hour failures.
- Drove cost optimization across infrastructure, observability, communications, and data platforms, reducing recurring operating costs by over **\$120K/month** and contributing to WhiteHat Jr.'s move to profitability.

Tech: Go · Node.js · Cassandra · SQS · Lambda · Kubernetes · OpenTelemetry · AWS

Toppr

Tech Lead · Dec 2019 – Jul 2022

Drove backend engineering across product, shared backend, and infrastructure engineering at Toppr.

- Architected and built the backend of Toppr Answr, scaling it into one of India's largest education platforms serving **150M monthly sessions, 35M monthly active users**, and generating 184K organic leads/month.

- Identified Python's runtime model as the limiting factor after exhausting application-level optimization options across queries, caching, and backend architecture. Led a phased migration from Django to Go, reducing compute requirements by **~90%** while significantly improving backend throughput.
- Strengthened Toppr's shared backend stack across caching, database access, repositories, and middleware, with improvements benefiting every product while reducing shared compute requirements by **~40%**.
- Systematically optimized infrastructure by identifying and eliminating inefficiencies across compute, databases, caches, and storage, reducing recurring AWS spend by **~\$80K/month**.
- Established Toppr Answr as the **benchmark for backend engineering**, influencing organization-wide migrations of Search as a Service and Doubts on Chat from Django to Go.

Tech: Django · Go · PostgreSQL · Redis · Neo4j · Elasticsearch · AWS

Transin Logistics

Senior Software Engineer · Jul 2017 – Nov 2019

Built backend systems and tools that simplified logistics operations.

- Built a backend financial integration with QuickBooks that automated financial workflows, reducing manual effort by 90% through reliable asynchronous processing.
- Worked directly with operations teams to translate day-to-day logistics workflows into backend systems, dashboards, and mobile tools that simplified operations and improved visibility.

Tech: Node.js · DynamoDB Streams · Kafka · QuickBooks API

Eclerx

Senior Analyst · Jul 2015 – Jun 2017

Built large-scale data processing systems for enterprise security analytics.

- Built a centralized security analytics platform processing logs from **~9,000** enterprise machines, introducing Kafka-based event buffering to reliably process high-volume log streams without event loss.

Tech: Kafka · Hadoop · Elasticsearch · Logstash · Kibana

TECHNICAL SKILLS

Languages	Go · Python · Node.js · SQL
Architecture & Systems	Distributed Systems · Microservices · System Design · Scalability · High Availability
Cloud & Infrastructure	AWS · Kubernetes · Terraform · CI/CD · Observability
Data & Messaging	PostgreSQL · ClickHouse · Elasticsearch · Redis · Neo4j · DynamoDB · Kafka
AI & Analytics	LLM Applications · MCP · Tool Calling · CubeJS · Semantic Modeling

EDUCATION

IIT Gandhinagar

B.Tech. in Chemical Engineering, Minor in Computer Science · 2011 – 2015