

TEJAS RAVI GHATIKAR

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SUMMARY

Software Engineer with **5+ years** building cloud-native backend and operational systems across **AWS, Azure, Kubernetes, and distributed workflows**. Builds **AI-powered automation and developer tooling** using Python, FastAPI, Temporal, n8n, and LLM agents. Experienced in production reliability, fleet operations, system design, and on-call engineering across **300+ clusters**.

TECHNICAL SKILLS

Languages: Python, Go, Java, C++, C, C#, JavaScript, TypeScript, SQL

Backend: FastAPI, Spring Boot, J2EE, REST APIs, Node.js, JUnit

Cloud & Infrastructure: AWS (SSM, SQS, EC2, EKS, IAM/STS), Azure, Kubernetes, Docker, Jenkins, Ansible

AI / LLM: LangChain, LangGraph, OpenTelemetry, RAG architectures, MCP, prompt engineering, harness engineering, agentic AI patterns, Claude Code, Codex

Data & Observability: MongoDB, PostgreSQL, MySQL, Prometheus, Grafana, Datadog

Systems: Distributed Systems, System Design, Durable Workflows, Linux/Unix, Git/GitHub, Agile/SDLC

WORK EXPERIENCE

Cohesity - Member of Technical Staff 2

Dec 2024 - Present

Bengaluru, India • Python 3.10 • Kubernetes • AWS SSM • Temporal

- Led design and development of a **cluster-wide GFlags intelligence platform** using Python + AWS SSM with Azure-hosted AI agents and n8n workflows; automated non-default GFlag analysis and daily configuration-drift detection, contributing to a **90% reduction in high disk-space alerts**.
- Architected and delivered OpsConsole-native **vertical and horizontal scaling** using FastAPI, MongoDB, Temporal, and Angular with approval-gated, per-instance EC2 changes, durable retries, failure isolation, and auditable request/history.
- Built an **n8n-based DMAAS disk-space triage agent** integrating Jira, Prometheus, and cluster diagnostics to identify disk consumers and recommend cleanup, GFlag tuning, scaling, or escalation.
- Shipped Fleet Operations capabilities using Temporal durable workflows, AWS SSM remote execution, MongoDB state, FastAPI APIs, and Angular run-status views, reducing weeks of manual per-cluster work.
- Served as on-call engineer for CCS clusters, handling high-severity alerts, live scaling, patching, root-cause analysis, and runbook improvements to strengthen production stability and SLA adherence.
- Designed a solution to minimize cross-AZ traffic in Helios EKS clusters by analyzing VPC flow logs and proposing topology-aware routing and workload-placement optimizations to reduce AWS cross-AZ transfer costs.

Netradyne Inc - Software Engineer

Aug 2021 - Nov 2024

Bengaluru, India • Java 21 • Spring Boot • AWS IoT Core • Redis • SQS

- Led design and development of a **video stitching / multi-view platform** from scratch using Java, Spring, Python, FFmpeg, PostgreSQL, Docker, Jenkins, and AWS, automating stitching of annotated videos across 9 camera angles.
- Served as SME for video-data loss and latency issues for major enterprise clients; redesigned workflows across device, ingestion, and analytics teams, preventing **700+ alert videos/day** from being lost and improving video availability from **91% to 99%**.
- Designed custom subtitle generation and VTT integration across video players, achieving **100% annotated video coverage**.
- Led migration of IDMS services to **Amazon EKS**, configuring clusters, node groups, and Kubernetes deployments using declarative YAML.

SELECTED PROJECTS

GFlags Intelligence Platform - Python, AWS SSM, Azure AI Agents, n8n | Cluster-wide configuration intelligence and proactive drift analysis across CCS.

Dermoscopic Classification using Image Processing and CNN - SE-ResNeXt model achieving **90% accuracy** on the ISIC 2020 Challenge Dataset.

EDUCATION

BMS College of Engineering - Bachelor of Engineering in Information Science Engineering, Bengaluru, India | Aug 2017 - May 2021