

JUBIN SANGHVI

SENIOR ENGINEERING MANAGER

Remote | Dallas, TX

(682) 234-0060

jubinsanghvi16@gmail.com

[linkedin.com/in/jubinsanghvi](https://www.linkedin.com/in/jubinsanghvi)

github.com/jubin-sanghvi

Summary

Senior Engineering Manager who builds and scales platforms that unlock business growth. At Cisco, led AI and Data Infrastructure initiatives delivering **\$4M in annual savings, \$146.8M in international growth**, and team expansion from **5 to 11 engineers across 4 countries**. Hands-on senior IC background in event-driven and batch data platforms like Kafka, PySpark, and EMR.

Skills

Languages: Python, Java

Data Platforms: PySpark, Snowflake, Iceberg, Delta Lake, Kafka, Redis, Elasticsearch, MySQL

Cloud & IaC: Amazon Web Services, Ansible, Terraform

Observability: Splunk, CloudWatch, Datadog

AI Tooling: Claude Code (custom skills, slash commands, hooks, MCP integration), OpenCode

Experience

Cisco

Dallas, TX (Remote)

Senior Engineering Manager - AI Infrastructure

January, 2025 - Present

Led Duo AI Infrastructure team across lakehouse modernization, ML enablement, threat intelligence, and AI developer tooling.

- Spearheaded Snowflake-managed Iceberg Medallion lakehouse ingesting **50TB/month across 14 tables with <1hr data freshness**, retiring 30 Delta Lake maintenance workflows across 12 prod deployments to unblock ML scoring and Duo AI Assistant features.
- Cut **\$1.8M/yr in cloud + maintenance costs** across 2 modernization projects: migrating legacy Workflow System/S3 pipelines to Snowflake lakehouse (\$1M) and consolidating inefficient streaming + batch analytics into batch-only (\$800K).
- Drove cross-org integration of Cisco Talos's ML-classified threat intelligence into Duo's data platform, delivering threat-intelligence dashboards adopted by **1,100+ enterprise customers** in the US and EMEA regions via hybrid batch + real-time enrichment pipeline.
- Catalyzed AI-tooling adoption across a **300+ engineer org from 43% to 89% in 6 months** by co-founding the AI Guild, establishing developer paved paths with Architecture/Security/SRE, trainings, workshops, and reporting adoption outcomes to senior leadership.
- Expanded Duo AI Assistant to APAC via cross-org partnership with Cisco SBG AI, Duo AI, and Freeplay, delivering multilingual LLM support to **160+ APAC enterprise customers**.
- Built **9+ Claude Code automation workflows** (PR review, Confluence monitoring, data generation, security analysis) with scheduled delivery, adopted by engineering leads **across 3 squads**.

Engineering Manager - Data Infrastructure

June, 2021 - January, 2025

Led the Data Infrastructure team responsible for Customer Logging Platform, pipeline modernization, regional data residency expansion, and end-to-end production ownership across Duo.

- Orchestrated UAE datacenter buildout with SRE that **drove \$146.8M / 11% YoY international bookings growth**, deploying Customer Logging Platform in-region for Middle East market entry.

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Experience (cont'd)

- Captured **\$2.2M/yr** by consolidating legacy data pipeline into Customer Logging Platform (fully retiring it with zero downtime) leading **11-person team across 3 quarters** to eliminate duplicate AWS spend, on-call load, and maintenance burden.
- Doubled Data Infrastructure team **5 to 11 ICs across 4 countries (US/Canada/UK/Ukraine) in 8 months**, hiring specialized Data Engineering + SRE talent to take full E2E ownership of the Customer Logging Platform.
- Scaled Customer Logging Platform adoption to **6-8 teams (ML/AI/DS/SRE/Platform)** ingesting **200M events/day** by driving cross-team onboarding through surveys, roadshows and developer workshops.
- Developed **6 engineers through promotions** (3 mid to senior, 2 senior to tech lead, 1 senior to engineering manager) via structured feedback, career pathing, and stretch-project alignment.

Senior Software Engineer - Data Infrastructure

January, 2020 - June, 2021

Built Duo data platforms for logging, orchestration, storage optimization, and ML scoring at scale.

- Accelerated log onboarding **12 weeks to 2 weeks (83%)** by shipping Customer Logging Platform (Redis/ElasticSearch/S3/EventBridge/Snowflake), a config-driven platform standardizing ingestion, storage, and retrieval.
- Built Airflow-like DAG workflow engine (2-person team) and authored DAGs that cut **S3 storage 90% (JSON to Parquet)** and **log export time 90% (2hr to 10min)** via predicate pushdown, partition filtering, and column pruning.
- Tripled **ML scoring pipeline scale 15K to 45K customers** by tuning Spark jobs and EMR cluster configs through systematic scale testing and bottleneck profiling.

The Big Willow Inc.

Wilton, CT

Senior Software Engineer

January, 2017 - January, 2020

Built AWS EMR ad-tech data systems for bidding, analytics, reporting, and intent intelligence.

- Engineered Intent Analytics Engine on AWS EMR processing **25B bid requests/day**, powering bidding revenue for company auction systems and downstream ad-tech products.
- Boosted **click-through rates on bid-served ads 40% (week-over-week)** by deploying IP Intelligence system leveraging firmographics, intent signals, and geo-location data.
- Compressed **log processing and report generation runtime 60%** by migrating to Parquet, redesigning partitions, and shifting EMR clusters to Spot instances.
- Delivered **30+ internal services and tools** (including a Flask web portal on API Gateway/Lambda) powering **100+ reports/week** for sales and analytics teams.

Education

Master of Science - Computer Science | The University of Texas At Arlington | 2017

Bachelor of Engineering - Computer Engineering | University of Mumbai | 2012