

Sahil Shah

Engineering Manager · Senior Software Engineer

Experience

Engineering Manager — APM Trace Retrieval

Datadog • 2023 - Present

- Founded and scaled the Trace Retrieval team from 1 to 6 engineers, spinning it out of trace storage into an independent product-facing org with its own charter, roadmap, and on-call rotation.
- Led the design and GA launch of Trace Queries (Flows API) — shipping pagination, trace-level filters/metrics, and multipart query support — with adoption and usage metrics that exceeded targets and drew direct positive customer feedback.
- Delivered a custom high-throughput trace-retrieval API for PayPal, running load tests and scaling past throughput bottlenecks to meet their requirements and close the engagement.
- Owned GovCloud/ITAR reliability end to end: deployed a FedRAMP-High tracing platform, instituted autoscaling that averted incidents during a major customer migration, and built the team's on-call process and operational dashboards.
- Grew engineers as a manager — led a report's promotion to Senior Engineer, transitioned an SRE into a product engineer, and converted multiple interns to return offers — with reports consistently citing high autonomy and support.
- Identified and framed high-impact technical bets (LLM/MCP trace tooling, async trace queries, trace archival), authoring RFCs that surfaced and de-duplicated overlapping company-wide efforts.

Software Engineer (E5) — Artillery / TRU & ServiceLab

Facebook • 2018 - 2021

- Onboarded Instagram (IGML) onto the TRU tracing and cost-attribution platform, fully instrumenting services and hitting stretch goals including Django-layer trace collection and Deltoid integration.
- Built a first-class Python SDK for Artillery aligned with the modern C++ SDK, and led FBTrace deprecation by migrating www events to the new format — a major engineering-excellence win.
- Designed Declarative Trace Stream (DTS), an abstraction layer that boosted user adoption, ended dual development, and removed legacy code.
- Improved platform reliability by building a reusable External Dependency Wrapper adopted by three teams (ServiceLab, Slick, Capacity Estimator) for fallbacks and observability, and re-architected processor autoscaling to reduce the impact of a production SEV.
- Drove cross-functional alignment across IGML, IG Efficiency, and Adaptive GraphQL, and mentored junior engineers and bootcampers.

Personal Info

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LinkedIn

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Skills

Python

Flask APIs, ETL jobs, pandas

JavaScript / Node.js

d3.js dataviz, Angular apps, Express & socket.io APIs

Java

Hadoop jobs

Postgres

Schema design & versioning, Analytics API queries, ad-hoc analysis

Docker & Kubernetes

Deploy APIs as containers on K8s clusters

Kafka

Produce/consume real-time market data

Leadership

Team building, mentorship, cross-team initiatives, on-call ops

Project Management

Stand-ups & scrums, sprint planning, stakeholder coordination