

Suraj Mittal

ENGINEERING MANAGER

Engineering manager with **10+ years** in software and deep experience leading platform and data initiatives. Currently managing a **5-person platform backend team** in regulated fintech, driving cost savings, reliability, and compliance. Focused on people development, hiring, cross-functional collaboration, and developer productivity through process and tooling.

10+

YEARS EXP

5

DIRECT REPORTS

\$30k+

MONTHLY SAVINGS

90%+

DEV SATISFACTION

EXPERIENCE

Setu

March 2022 - Present (3+ years)

Engineering Manager

April 2025 - Present

- Led a **4-engineer platform backend team** plus intern across platform reliability, data, and compliance
- Rebuilt hiring process with bug bash, live coding, and technical curiosity rounds; **adopted org-wide**
- Coached **2 engineers to exceptional performance**
- Overhauled on-call processes; reduced common tasks from **5 minutes to under 10 seconds**
- Shipped org-wide AI code review bot with **90%+ developer satisfaction**
- Migrated Kafka to Warpstream: **\$5k to \$2.5k/month** (50% cost reduction)
- Delivered CERSAI CKYC integration and AML service for UPI; handled **RBI compliance audits**
- Integrated Karta AI onboarding: **45 minutes to 5 minutes** (89% reduction)
- Deployed n8n and automated Jira ticketing for onboarding/payments workflows
- Maintained and migrated wiki.setu.co to modern Kubernetes-based deployment

Staff Software Engineer

April 2024 - March 2025

- Built unified billing platform (prepaid, postpaid, percentage, volumetric); cut close from **15 days to under 1 day**
- Centralized logging (Vector, ClickHouse, Warpstream, S3): **\$35k to \$5k/month** (86% reduction)
- Shipped real-time S3 to ClickHouse ingestion for self-serve analytics pipelines
- Deployed DataHub for data governance; solved K8s Docker pull limits with ECR cache (Go)

CORE SKILLS

LEADERSHIP

People Management, Team Building, Hiring & Performance, 1:1s, Career Development, Stakeholder Management, Roadmap Planning

PLATFORM & OPS

Platform Engineering, On-call & Incident Response, Compliance & Audits, Data Platforms

TECHNICAL

Python, Go, Ruby, Kubernetes, AWS, Terraform, CI/CD, GitOps, Observability

DATA

PostgreSQL, ClickHouse, Kafka, Distributed Systems

- Reduced 5xx debug time to **5-10 minutes** via Bugsink; led PagerDuty to Rootly migration
- Improved ClickHouse performance **10x** with global caching; enabled ELT with dbt
- Added Karpenter autoscaling for near-zero maintenance K8s clusters
- Built OOO bot syncing HRMS holidays to org calendar and Slack

Senior Software Engineer

March 2022 - March 2024

- Built Kubernetes platform with GitOps (FluxCD), federated deployments, multi-cluster management
- Authored Jinbe Helm chart: secure deployments with ALB, external secrets, Cognito auth
- Built real-time CDC pipeline: Debezium → Kafka/Warpstream → ClickHouse + Superset
- Deployed Airbyte for self-serve data syncs; designed central auth service (Keycloak, Postgres, Redis)
- Rolled out Temporal replacing Celery/Redis queues; built notification service (email, SMS, webhooks)
- Implemented org-wide analytics with PostHog; migrated metrics to Prometheus + Thanos

Artefact (Client: Morpheus LLC)

Feb 2021 - March 2022

Solutions Architect

Feb 2021 - March 2022

- Led **Nissan analytics platform** across UI/UX, data pipelines, and ML modeling on GCP/BigQuery
- Migrated deployment pipeline to Prefect for modern data and ML workflows

Rivi

July 2019 - March 2022

Technical Advisor

Feb 2021 - March 2022 (concurrent)

- Guided tech team direction and built hiring processes for technical hires

Technical Architect / Senior Data Scientist

July 2019 - Feb 2021

- Built recommendation systems, booking chatbot, and ML services for travel platform
- Developed route optimization using vehicle routing algorithms
- Owned backend and led hiring across frontend, backend, mobile; managed enterprise clients (Decathlon)
- Built **4M-record hotel data pipeline**; set up Kubernetes CI/CD, monitoring, APM
- Migrated Bitbucket to GitLab; implemented service-to-service auth across all services

PROJECTS

PSO Meta-Heuristics for LSTMs

Combined PSO with constrained-boundary LSTMs to improve performance and training time

Sparse Document Vectors

Unsupervised document representation using word2vec and soft clustering

Multihop Routing Protocol

Self-aware routing for battery-limited sensor networks

AWARDS & CERTS



Star Performer Award

Exceptional contributions



Machine Learning

Stanford / Coursera

EDUCATION

Visvesvaraya Technological University

B.S. Computer Science

2012 - 2016

Earlier Experience

EdGE Networks — Senior Data Scientist Apr 2018 – Jul 2019

Hashworks IT — Senior ML Engineer May 2017 – Mar 2018

Freecharge — Software Engineer Nov 2016 – Mar 2017

Kirusa — Associate Software Engineer Feb 2016 – Oct 2016