

# Rohit Pandit

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## SUMMARY

Backend engineer with 5+ years building high-throughput distributed systems across fintech and consumer tech (Dream11, Navi, Paysafe). Specialized in real-time data pipelines, observability, and performance engineering. Open-source contributor to OTEL.

## EXPERIENCE

### DREAM11 | SDE-2

January 2025 - Present | Mumbai, Maharashtra

- Built Dream11's Winners Page using Apache Spark and Flink for real-time data aggregation across millions of users; designed the data model to handle concurrent contest settlements at peak IPL traffic — one of the highest sustained write loads in Indian consumer tech.
- Contributed upstream OTEL Java instrumentation for Vert.x 3.9, MySQL, Redis, and AWS SDK — patches merged into the official OTEL Java repo, enabling automatic trace context propagation across distributed services without code-level instrumentation.
- Deployed and tuned a SigNoz + ClickHouse observability stack handling ~1 GB/sec sustained ingestion; enhanced the internal SigNoz fork with delta temporality support, histogram quantile computation, and custom aggregation pipelines — reducing MTTD on production incidents.

Tech: Java, Vert.x, Netty, Kafka, OTEL, Prometheus, Grafana, ClickHouse, AWS, MySQL

### NAVI TECHNOLOGIES | SDE-2

October 2022 - December 2024 | Bangalore, Karnataka

- Re-architected the rewards engine with a config-driven approach supporting multiple strategies (milestone, randomizer, fixed, referral), enabling zero-dev-intervention launches across UPI, BBPS, and investment products.
- Resolved thread contention and DB latency bottlenecks during perf testing, certifying the system at 6,000 RPS — covering 75% of India's UPI volume at the time.
- Built the end-to-end referral system; a milestone-triggered rewards feature pushed average referees per referrer from 1.85 to 2.0.
- Optimized critical DB queries and introduced Redis caching layers, cutting p99 latency from 800ms to under 120ms on high-traffic reward eligibility checks.

Tech: Java, Kotlin, Spring Boot, Tomcat, Netty, Elasticsearch, Kafka

### PAYSAFE GROUP | PLATFORM ENGINEER

August 2020 - September 2022 | Hyderabad, Telangana

- Built a distributed real-time transaction data pipeline consuming events from multiple sources for analytics, search, and merchant portal views.
- Cut API response time from 4s to 0.5s by integrating Apache Druid into the analytics pipeline, enabling sub-second merchant dashboard queries.

Tech: Java, Spring, Kafka, Amazon S3, Apache Druid, Elasticsearch

### PLAYCHESS.TECH | AI-POWERED CHESS EDUCATION PLATFORM

Side Project | January 2026 - Present

- Solo-built a platform for replaying famous grandmaster positions with real-time AI narration; full-stack ownership of backend, infrastructure, and LLM pipeline.
- Integrated Stockfish WebAssembly in-browser with custom depth/time controls, enabling sub-100ms position evaluation and bot gameplay at zero server cost.
- Built a two-phase AI coaching pipeline: Stockfish for evaluation + tiered LLM routing (Gemini 2.5 Flash / DeepSeek R1) for grandmaster-style narration grounded in NNUE data.

Tech: React, Node.js, EC2, Nginx, Cloudflare, Neon Postgres, OTEL

## SKILLS

**Languages:** Java, C++, Kotlin, Python, JS/TS, C

**Data & Infra:** PostgreSQL, Kafka, Redis, ClickHouse, Elasticsearch, Druid, Spark, Flink

**Cloud & Tools:** AWS (EC2, S3), Nginx, Cloudflare, Docker, Web-Sockets

**Frameworks:** Spring Boot, Vert.x, Netty, React, Node.js

**Observability:** OpenTelemetry (OTEL), Prometheus, Grafana, SigNoz

## OPEN SOURCE

**OTEL Java** — Contributed instrumentation modules for Vert.x, MySQL, Redis, and AWS SDK; patches merged upstream into the official repository.