NINAD SUTRAVE

ninadsutrave@gmail.com +91 9769330051 Bengaluru, India ninadsutrave.com
github.com/ninadsutrave linkedin.com/in/ninadsutrave medium.com/@ninadsutrave

EDUCATION

Indian Institute of Technology, Ropar, *B.Tech + M.Tech (Dual Degree), Mechanical Engineering* Aug 2019 – May 2024

PROFESSIONAL EXPERIENCE

Pratilipi, *Software Engineer* Jan 2026 – Present | Bengaluru

- Own the monetisation platform at Pratilipi: one **multi-tenant system serving all three products** (Pratilipi Literature, Pratilipi FM and Pratilipi Comics), covering user subscriptions, coupons, wallet and payments across all five gateways.
- Designed and built the refund module that detects duplicate purchases by users and refunds them automatically, **refunding 400+ orders/month** and sharply reducing user support queries and manual refund steps for the support team.
- Built payment-status polling tasks and check-payment-status workers that reconcile pending orders against gateway records, settling payments whose webhooks never arrived and **recovering ~12% of orders** previously stuck in pending.
- Designed the payment service's integration test suite of 494 scenarios, 210 worker flows and 137 contract tests, with flags for product, payment gateway and purchase type, cutting the release testing cycle from >1 days to a single **5-minute run**.

Tech Stack: Java, Go, MySQL, Confluent Kafka, AWS

Dream Sports, *Software Engineer* Jul 2024 – Jan 2026 | Mumbai

DreamSetGo, *Oct 2025 – Jan 2026*

- Built a travel product catalogue microservice from scratch for **100k listings**, with full-text search, filtering and sorting.
- Implemented search entirely in PostgreSQL instead of Elasticsearch, **saving $300–$400/month**: a three-tier resolution layer of exact, partial, then fuzzy matches that tolerate typos, with each tier ranked by a **TF-IDF-style** relevance score.
- Moved auth to stateless JWTs verified at a new Kong gateway, adding Google and phone sign-in options. Dropping the per-request session lookup **cut p99 auth overhead from ~40ms to ~5ms** and freed services from sticky sessions.

Tech Stack: Java, Spring Boot, Node.js, PostgreSQL, Kong, AWS

Dream11, *Jul 2024 – Oct 2025*

- Owned the entire cash-in ecosystem powering all user deposits into Dream11 wallets, built as an event-driven microservice architecture that sustains **10k TPS** at peak with **99.999% availability** and **sub-150ms** response latency.
- Migrated AWS RDS MySQL clusters from v5.7 to v8.0 (**~5TB dataset**) for the entire payment ecosystem, using binlog replication for real-time sync and AWS DMS as a rollback pipeline, completing the switch with a **cutover of ~30 seconds**.
- Built a recovery mechanism to auto-fail transactions stuck in pending past configurable per-gateway timeouts, with a retry pipeline that refunds any that later succeed, driving **+4% Contest Entry Amount** and **+3% Paid Contest Joins**.
- Wrote AWS RDS scaling scripts that upscale clusters before major matches and downscale after, **saving $1,500/day**.

Tech Stack: Java, Vert.x, MySQL, Apache Kafka, RabbitMQ, AWS

PROJECTS

FlatHunt
Brokerage-free flats, PGs and flatmates, with in-app chat, map search, shortlists and instant alerts for new matching listings. LinkedIn OIDC sign-in gives every lister a verified tick, so working professionals can see exactly who posted each listing.
Tech Stack: React Native (Expo), TypeScript, Supabase, Google Cloud (Places, OAuth), RevenueCat

TheCrypticOwl
Nine new word and number puzzles drop every midnight. Some are generated purely algorithmically, others by a multi-model LLM pipeline in which one model composes each puzzle and a second model validates it against wordplay rules.
Tech Stack: React, Supabase, AWS Lambda, CloudWatch, EventBridge, S3, CloudFront, GitHub Actions

Sheet Music Shop
A multi-genre store of original piano scores and MIDI, with cart, checkout, user and admin accounts and Razorpay payments.
Tech Stack: React, TypeScript, Supabase (RLS, Edge Functions), Razorpay

Open Source Contributions
puppeteer (96k ☆) — Added a public API exposing a page's browser tab state: position, active, pinned and group status.
go-redis (22k ☆) — Fixed connection-pool metrics in Redis's official Go client that drifted from the actual pool state.
go-github (11k ☆) — Added client support for GitHub's stargazer, Actions concurrency, and Copilot coding agent APIs.
micrometer (5k ☆) — Stopped StatsD outages from flooding logs with per-packet warnings, cutting noise and cost.

SKILLS

- **Languages & Frameworks:** Java, Spring Boot, Vert.x, Go, TypeScript, JavaScript, Node.js, React, React Native, GraphQL
- **Data & Messaging:** MySQL, PostgreSQL, MongoDB, Redis, AWS ElastiCache, Apache Kafka, RabbitMQ, Apache Flink
- **Cloud & DevOps:** AWS (RDS, Lambda, S3, EC2, CloudWatch), Google Cloud, Kong, Docker, Maven, Git, Jenkins, CI/CD
- **Architecture:** Microservices, Distributed Systems, Event-Driven Architecture, REST APIs, System Design, Payments
- **AI Tooling & Observability:** Claude Code, Agentic Engineering, LLM pipelines, Datadog, Grafana, StatsD, OpenTelemetry