Anmol Choudhary

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SUMMARY

Software engineer with 3.5 years of fintech experience, specializing in high-performance web and mobile applications. Core contributor to Nubra, building real-time trading interfaces serving 155K+ traders and institutions. Architected foundational cross-platform libraries and design systems to accelerate product delivery. Proven background in automating operations for high-frequency trading (HFT) environments.

EXPERIENCE

Software Engineer, Zanskar Tech

Bengaluru · Feb 2023 – Present

Nubra: Retail Brokerage Platform

May 2024 – Present

TRADING EXPERIENCE

- Built the **live market-data feed** behind every ticking value on Nubra. It handles ~20K updates/sec at market open without the UI stuttering (all parsing runs in Web Workers) and recovers on its own when the connection drops.
- Rebuilt the **option chain**, the main screen for options traders. 400+ strikes update live every 100 ms, and the screen opens already showing the trader's saved filters, with no loading spinner. Daily users rose 35%.
- Built **chart trading** on TradingView: traders place and modify orders directly on the chart, with live candles and chart layouts that follow them across devices.
- Built the **Portfolio** screens, the largest in the app, showing holdings and positions with live P&L.
- Own **web performance**. Lazy-loaded the heavy charting libraries and deferred every third-party script, improving LCP by 120% and raising the Lighthouse score to 96 across the entire application.

AI

- Built Nubra's **AI research assistant** end to end, replacing a paid third-party vendor. Traders ask in plain English to screen stocks, backtest ideas, or get earnings reports with cited sources, at ~10K queries/day (multi-agent LangGraph, OpenAI + Anthropic, RAG on MongoDB vector search, FastAPI).
- **Cut LLM cost by ~40%** by structuring prompts so provider caching hits on every call, routing each agent to the cheapest model that does the job, and filtering out duplicate news before any LLM call.

PLATFORM & TEAM

- Built **nubra-palette**, a design system library (shared components, icons, light/dark themes), in under 20 days. It's now used across 4 more teams and products, and new features ship 40% faster.
- Own **nubra-nexus**, a unified cross-platform business-logic library powering both web and React Native applications, centralizing code maintenance to ensure single-source feature development and bug fixes across all platforms.
- Built an **in-house analytics and monitoring platform** on Grafana Faro, replacing New Relic on web and Bugsnag on mobile. It tracks custom events, API calls and errors, and lets developers and product teams build their own dashboards and user funnels.
- Led the migration to **Next.js 16 and React 19**, establishing a modernized deployment pipeline and enforcing high code quality through strict custom linting rules, optimized TypeScript performance, and comprehensive documentation to prevent technical debt.
- **Guided a team of 8 engineers**: set the engineering standards and review process, mentored 5 interns to full-time offers, and interviewed 75+ candidates.

Trading Infrastructure (HFT)

Feb 2023 – May 2024 · Intern, full-time from Jul 2023

- **Automated the team's daily operations** as 15 Airflow jobs: pre-market NSE SPAN risk files and reference data, rolling portfolios to the new trading day, end-of-day backups and position reconciliation. This saved ~5 hrs/day and never missed a market open. Later moved the whole stack to new servers with zero downtime.
- Built **Algoparams**, a web console where traders tune live algos in seconds instead of editing configs over SSH (React, Go, MySQL, and a C++ sidecar over RPC). Also built a compliance-check tool (React, Node.js).
- Built **real-time algo monitoring**: Grafana dashboards of live P&L, positions and latency for traders, fed by a C++/Python pipeline writing ~200K points/sec into InfluxDB, plus daily latency reports by email.

SKILLS

Languages	TypeScript, JavaScript, Python, C++, Go, SQL, Bash
Frontend	React 19, Next.js (RSC), Zustand, Tailwind, Web Workers, WebSockets, Protobuf, TradingView
Backend / AI	FastAPI, LangGraph, OpenAI & Anthropic APIs, RAG, MongoDB, MySQL, Redis, InfluxDB
Infra	Docker, GitHub Actions, AWS, Airflow, Prometheus, Grafana, Linux

EDUCATION & ACHIEVEMENTS

B.Tech, Computer Science Engineering, The NorthCap University · CGPA 9.06 *2019 – 2023*