

ANKIT SHARMA

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🌐 Portfolio

Experience

MeroGo

Dec 2025 – Present

FullStack Software Engineer

Remote, USA

- Contributed to the architecture of a **multi-service mobility and ticketing platform**, integrating a dedicated ticketing service - **PostgreSQL** as transactional source of truth, **MongoDB** event data via **eventId** - with existing JWT auth and tenant-scoped organizer/vendor authorization.
- Engineered booking reliability with **idempotency keys**, rate limiting, and concurrency-safe inventory checks against overselling; integrated server-side **Stripe PaymentIntent** flows with quote validation, RFC 7807 Error Handling and audit/ledger records.
- Investigated a rider-captain cancellation exploit enabling off-platform transactions and **designed** an anti-abuse system - behavioral tracking, configurable cancellation policies, risk-flagging workflows, and wallet-based commission enforcement.

Kubesense AI

Jun 2025 - Nov 2025

Software Development Engineer I

Chennai, India

- Built the **Data Explorer** - an interactive query builder for metrics, logs, and traces with dual Builder/Code (PromQL) modes, metric transformations (rate, aggregations, top/bottom K), multi-query formulas, and one-click export of panels into new or existing dashboards.
- Built the **Dashboards** system - a drag-and-drop responsive panel grid with dashboard-level variables for dynamic **\$variable** query substitution across panels, plus JSON import/export for cross-team dashboard sharing and migration.
- Built high-performance ECharts visualization components handling millions of records across VictoriaMetrics/ClickHouse-backed APIs; integrated **Monaco Editor** with full PromQL support, achieving **20% faster load times** and shipping core features **50% ahead of schedule**.

Qontentt AI

Apr 2024 - May 2025

Software Development Engineer

Remote, USA

- Owned the **AI content assistant** end-to-end for a subscription-based social growth app - AI-generated captions, viral hashtag suggestions, and an in-app AI guide ("QONTY") - built on the OpenAI API with async response handling and a Redis caching layer, cutting end-to-end API latency by **80%** in production.
- Independently integrated Instagram Meta APIs for content/engagement data, OTP-based authentication, and RevenueCat subscription billing; owned Play Store release management end-to-end across a distributed team.

Projects

AgroExpert | React Native, FastAPI, PostgreSQL, pgvector, LangGraph, RAG, Computer Vision | 🤖 agro-expert In Development

- Architecting AgroExpert so a farmer can photograph a plant or soil sample and get an instant diagnosis instead of waiting on an in-person agronomist - a multimodal pipeline (vision, OCR, RAG) reasons over the image alongside retrieved agricultural knowledge through LangGraph agent workflows.
- Designed safety mechanisms - confidence scoring, citation-grounded recommendations, and a provider-agnostic model routing layer - so farmers get evidence-backed advice rather than unverified AI guesses, with plot-level memory so future analyses build on a crop's history.

MockMate AI Interviewer | MERN Stack, React.js, Node.js, Express.js, MongoDB, LLM APIs, JWT | 🤖 agro-expert In Dev.

- Built MockMate so candidates can rehearse real technical interviews with a simulated interviewer instead of static question banks - an LLM dynamically generates and adapts questions to the candidate's responses in real time.
- Engineered the platform end-to-end (React frontend, Node/Express REST APIs, JWT auth, MongoDB persistence) around independently evolvable services, so evaluation logic and structured feedback could scale without redesigning the interview flow.

Technical Skills

Languages: JavaScript (ES6+), TypeScript, Python, SQL, C++

Frontend / Mobile: React.js, Next.js, React Native, Redux, Tailwind CSS, ShadCN UI, GraphQL

Backend: Node.js, Express.js, FastAPI (Python), REST APIs, Prisma ORM, Redis

AI / GenAI: LLM APIs, RAG, Vector Database, Agentic Workflows (LangGraph), Prompt Engineering

Databases & Cloud: PostgreSQL, MongoDB, pgvector, Firebase, Supabase, AWS, Docker

Payments & Reliability: Stripe, Idempotency, Rate Limiting, RFC 7807 Error Handling, Audit Logging

Tools: Git, GitHub, VS Code, Cursor, Claude Code, Postman

Education

Amrita Vishwa Vidyapeetham

Kollam, Kerala, India

B.Tech - Computer Science and Engineering

2021 - 2025

- Chancellor Scholarship** - Full tuition fee waiver, competitive university-wide merit award

Certifications & Achievements

Google Project Management Certificate - Coursera

React Native: The Practical Guide [2024] - Udemy