Nikhil Kumar

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PROFESSIONAL SUMMARY

Full-stack developer with 3+ years of experience building scalable web applications using React, Redux, Node.js, Express, and NestJS, developing secure REST APIs, optimizing databases, and integrating third-party services with a focus on performance through caching and indexing. Recent experience extends into prediction-market and trading platform integrations — third-party exchange order flows, FIX protocol data ingestion, Web3 wallet integrations, and event-driven architectures — alongside AI integrations using OpenAI and DeepSeek APIs and modern tools like Claude Code to build intelligent, efficient applications.

WORK EXPERIENCE

Software Engineer, Trueigtech | Indore **| Jan 2026 – Present**

- Built the backend for **Pronostyx**, a prediction market platform, integrating **Limitless Exchange** for market data and order execution.
- Owned the order-placement flow: request validation, payload construction, submission to Limitless, and reconciling responses into user positions.
- Built a FIX protocol parser to map real-time market data from Crypto.com.
- Integrated Privy for dual wallet authentication (EOA + custodial) with JWT sessions.
- Built an event-driven RabbitMQ pipeline with circuit breakers, dead-letter queues and retries.

Software Engineer, Hawk Martech | Gurgaon **| Apr 2025 – Dec 2025**

- Built scalable backend services using NestJS and Express.
- Implemented Redis caching, cutting average response latency by 35%.
- Enhanced observability with logging dashboards for faster debugging.
- Optimized MySQL and MongoDB queries, improving API performance by 40%.

Associate Software Engineer, Hana Software (USA) | Remote **| Aug 2023 – Apr 2025**

- Built full-stack web apps using React, Redux, Ant Design, and Node.js.
- Developed secure REST APIs with authentication and WebSocket support.
- Automated workflows with Puppeteer, cutting manual effort by 60%.
- Improved MongoDB performance through schema redesign and indexing.

SKILLS

Languages: TypeScript, JavaScript
Frameworks & Libraries: Node.js, NestJS, Express, React, Next.js, Redux, GraphQL
Databases: MongoDB, MySQL, PostgreSQL, Redis
Real-Time & Messaging: Socket.IO, WebSockets, RabbitMQ, FIX Protocol
Blockchain / Web3: Privy, WalletConnect, custodial and non-custodial wallet flows
AI Integrations: OpenAI APIs, DeepSeek LLM, Claude Code
Cloud, DevOps & Observability: AWS, GCP, Docker, Grafana, CI/CD automation
Tooling & Productivity: Git, GitHub Actions, Postman, Jira, Notion

PROJECTS

Pronostyx — Prediction Market Platform | Node.js | Socket.IO | Redis | RabbitMQ | FIX Protocol | Privy

- Built the platform layer for a prediction market on Base Mainnet, integrating **Limitless Exchange** — which owns the orderbook and matching engine — for market data and order execution, covering order placement, position tracking, and market resolution claims.
- Designed a 6-service architecture (Next.js frontend, Express backend services, data-consumer, job scheduler) with event-driven synchronization via RabbitMQ.
- Built a FIX protocol data pipeline with a custom parser engine to ingest and map real-time market data from Crypto.com for continuous downstream processing.
- Implemented Socket.IO namespaces split by authentication level for streaming orderbook data and per-user portfolio updates.
- Applied circuit breakers, dead-letter queues, and retry policies across third-party and on-chain integrations, alongside a cost optimized LLM translation pipeline.

Viacation — Travel Booking Platform | NestJS | Redis | Docker | MongoDB

- Designed services for catalog, booking, and routing workflows.
- Implemented Redis-based caching to optimize response time and improve scalability.
- Implemented Redis-driven rate limiting for login and API security, preventing abuse and throttling.

Travel Deals Online (TDO) | Express.js | MySQL | JavaScript | Third-Party APIs

- Built REST APIs for travel searches, pricing, and partner integrations.
- Integrated external provider APIs for offers and booking data.
- Designed MySQL schemas and optimized queries for fast retrieval.

EDUCATION

Full Stack Web Development (full time) — Masai School
Aug 2022 – Jul 2023 | Bengaluru, India

Bachelor of Technology — Cochin University of Science and Technology
Aug 2015 – Apr 2019 | Kochi, India