

ARYAN PACHORI

aryanpachori.live aryanpachori03@gmail.com linkedin.com/in/aryan-pachori github.com/aryan-pachori-novostack
github.com/aryanpachori

Summary

Backend and AI engineer who ships production systems end-to-end – event-driven microservices, LLM-powered pipelines, and high-throughput APIs. Built and deployed Kafka-backed notification infrastructure, RAG-based AI agents, ML inference pipelines, and fintech-grade backend services in production. Comfortable owning full backend surfaces from system design and API contracts to cloud deployment. Open to remote backend and AI engineering roles at early-stage startups.

Technical Skills

Languages: TypeScript, JavaScript, Python, Java, HTML5, CSS3
Backend & APIs: Node.js, Express.js, FastAPI, Hono, REST, WebSockets, GraphQL, Apache Kafka, BullMQ
AI / ML: LangChain, RAG Pipelines, Pinecone, XGBoost, OpenAI API, Gemini API, Prompt Engineering, Vector Search
System Design: Microservices, Event-Driven Architecture, Distributed Systems, Message Queues, CI/CD
Databases: PostgreSQL, MySQL, MongoDB, Redis **Frontend:** React, Next.js, Tailwind CSS
Cloud & DevOps: AWS EC2, GCP, Docker, GitHub Actions, Cloudflare Workers, Prisma ORM

Experience

Novostack Nov 2024 – Present
Backend Engineer (Full Stack) Noida, India
- Architected and shipped production **microservices** for the **Ruloans CRM Platform** – a fintech lending ecosystem covering DSA onboarding, expense management, MIS reporting, and invoice workflows serving thousands of loan agents.
- Built a high-throughput **Notification Microservice** on **Apache Kafka** with consumer-group topology fanning out to email, SMS, WhatsApp, and push channels simultaneously; guaranteed **at-least-once delivery** under burst load.
- Delivered an **Invoice Processing Microservice** with e-signing automation and bi-directional **database synchronization** across services, replacing a manual reconciliation workflow and reducing processing time **from hours to seconds**.
- Engineered the **Bureau Service** for HelloTrade (IndiaMART group) – **Experian credit API** integration with **Redis token caching**, automated report enrichment pipelines, and analytics generation for B2B credit assessment at scale.
- Built the complete backend for **Compass Visa Platform** (Leverage Edu) – application workflows, document processing, and OCR/verification service integrations. *Stack: Node.js, TypeScript, Kafka, Redis, PostgreSQL, AWS EC2, Docker.*

Superteam India Aug 2024 – Present
Member – Ecosystem Contributor Remote
- Selected member of Superteam India; shipped two independent projects and **awarded 2,000 USDC** in grants from the Solana Foundation for open-source ecosystem contributions.

Projects

Beacon | *Node.js, Python, XGBoost, BullMQ, Redis, PostgreSQL, Next.js* | beacon.forgefastlabs.com 2025
- Built a **predictive dependency health SaaS** – scans GitHub repos, collects 6 signal categories per package, and scores each 0–100 using a trained **XGBoost classifier** to predict package abandonment **60–90 days** in advance.
- Architected a **decoupled async inference pipeline** (BullMQ + Redis): a Node.js signal-collection worker feeds a Python **ML inference service** via a dedicated queue; results write back to PostgreSQL through a secure internal callback.
- Engineered real-time onboarding progress via **Redis pub/sub + SSE**; multi-channel alerting (Slack, Google Chat, email); Next.js dashboard with animated health scores, **90-day survival curves**, and AI-generated migration recommendations.

NightAgent | *Node.js, TypeScript, Telegram Bot API, Solana/Jupiter, OpenAI API* | night-agent-548r.vercel.app 2025
- Built an **AI-powered prediction market intelligence platform** that scans **Jupiter prediction markets** in real time, combining **Black-Scholes pricing**, **Kelly Criterion** bet sizing, and AI-driven news analysis to surface mispriced markets – giving retail traders the same quantitative edge as hedge funds.
- Designed a **Telegram-native** onboarding flow – users connect in under 2 minutes with no code or setup, **paper trade** to validate strategy, then go live with one tap.

Opinion Trading Platform | *Node.js, Express, WebSockets, Redis* | [GitHub](https://github.com) 2024
- Real-time Probo-style platform with a **concurrent order-matching engine** over persistent **WebSockets** – live price discovery, liquidity management, JWT auth, and **optimistic locking** for order book consistency under high write concurrency.

Upchain | *React, Express, Solana, Web3.js* | upchain-fs5c.vercel.app | [GitHub](https://github.com) 2024
- Decentralized job portal with **milestone-based on-chain escrow payments** and Dialect Blinks integration; **awarded 1,000 USDC grant** by the Solana Foundation & CoinDCX India for contributions to the developer ecosystem.

Education & Achievements

Vellore Institute of Technology May 2025
B.Tech in Computer Science (CGPA: 7.6/10) Bhopal, MP

Solana Foundation & CoinDCX Grant: 1,000 USDC for Upchain. **Solana Foundation & Dialect Grant:** 1,000 USDC for JOBLINK Blinks – on-chain job actions via X (Twitter).