

# MANAV GADHIYA

[manav18gadhiya@gmail.com](mailto:manav18gadhiya@gmail.com) | [linkedin.com/in/manavgadhiya](https://www.linkedin.com/in/manavgadhiya) | [github.com/0xradioac7iv](https://github.com/0xradioac7iv)

## EXPERIENCE

### Backend Engineer

July 2025 – June 2026

SendIN

Remote, IN

- Designed and implemented an event-processing service for third-party webhooks with idempotent deduplication, retry handling, and exponential backoff for failed deliveries — events queued and processed asynchronously to decouple ingestion from execution.
- Integrated Cybrid's KYC stack (Plaid + Persona) via webhook callbacks, managing onboarding state transitions (pending → approved → active) and building the core fiat on-ramp/off-ramp REST API with response caching on hot paths to reduce latency on repeated lookups.
- Implemented a circuit-breaker wrapper around downstream service calls, tracking failure/success rates and failing fast on degraded dependencies to prevent cascading failures.

### Freelance Developer

June 2025 – Oct 2025

Predictify

Remote, IN

- Architected and developed a high-throughput Telegram trading bot for Polymarket supporting market/limit orders, stop-loss, take-profit, and portfolio tracking.
- Implemented real-time copy trading (AutoTrade), referral-based fee sharing, and subscription-based market alerts with low-latency order execution.
- Scaled the system to **1600+ active users** and **300+ daily transactions**, ensuring stability under production workloads.

## PROJECTS

### Auth Service — Go, PostgreSQL, Redis

[source](#)

- Built a self-hosted authentication service supporting email/password auth, OTP verification, magic links, password recovery, and OAuth2 social login.
- Implemented secure session architecture with JWT access tokens, hashed refresh tokens, token rotation, replay attack detection, and token-version-based global revocation.
- Designed Redis-backed rate limiting, OTP/account lockout policies, audit logging, and runtime-editable configuration with admin dashboard/API.

### Bitcask KV Store Implementation — Go, Storage Systems

[source](#)

- Implemented an append-only, log-structured key-value store with on-disk segment files and an in-memory keydir for O(1) lookups.
- Designed a binary record format with CRC checksums, tombstones, and timestamp metadata; implemented crash-safe startup recovery via full file scan.
- Implemented segment merge/compaction to reclaim stale keys and reduce fragmentation under write-heavy workloads.

### SolRPC — TypeScript

[source](#)

- Built an RPC aggregation and load-balancing layer for Solana that continuously benchmarks upstream nodes and routes requests to the lowest-latency endpoints.
- Implemented multiple balancing strategies including Round-Robin, Least Connections, Least Latency, and Weighted routing.
- Integrated in-memory and distributed caching (Redis, Memcached) to reduce redundant RPC calls and improve throughput.

## TECHNICAL SKILLS

**Languages:** Go, TypeScript/JavaScript, Python

**Backend:** Node.js, Bun, NestJS, Fastify, Express.js, WebSockets

**Frontend:** React, Next.js, TanStack Query/Router, Tailwind CSS

**Databases & Caching:** PostgreSQL, Redis, MongoDB

**Infrastructure/DevOps:** Docker, Linux, AWS (EC2, S3, Lambda, SQS, SNS), GitHub Actions

## EDUCATION

### ITM (SLS) Baroda University

B.Tech in Computer Science and Engineering (CGPA: 8.3)

Vadodara, Gujarat

Sep 2021 - May 2025