

Akhtar Khan

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About me

Founding Backend Engineer with 4+ years of building products at early-stage startups, currently building the backend of Ryvn and going down into native iOS and Android code wherever a feature reaches the phone. A background in application security (CISC, API penetration testing) shapes how I design auth and data access. Endlessly curious, from game development to offensive security and cloud infrastructure, and looking for a startup where I can own hard problems and keep learning.

Skills

Languages: Go, TypeScript/JavaScript, Python, C#, Rust, Swift, Kotlin, Java, SQL, Ruby, PHP

Backend: Node.js, Bun, Deno, Express, Hono, Fastify, Echo, ASP.NET Core, Django, Flask, gRPC/Protobuf, REST, WebSockets, Socket.IO, Stripe, Razorpay

Web & Mobile: React, Next.js, Remix, Nuxt, Tailwind, React Native, Expo, SwiftUI, Live Activities, APNs/FCM push

Data & Infra: PostgreSQL, MySQL, SQL Server, MongoDB, DynamoDB, Redis, Qdrant, Neo4j, Elasticsearch, Docker, AWS, GCP, Cloudflare, Nginx, Temporal, BullMQ, Kafka

AI & Automation: LLM agents (Mastra), tool calling, MCP, RAG, Stable Diffusion, Playwright, Puppeteer, Cheerio, Telegram bots

Security: VAPT, API penetration testing, OAuth/JWT, Burp Suite, Metasploit, Wireshark, Frida, reverse engineering, AES

Experience

Founding Backend Engineer, ZanEvra Inc. (Ryvn) – New York, USA Jun 2026 – Present

- Building the backend of **Ryvn**, an AI assistant that acts across email, calendar, messages and the phone, spanning **backend services**, the agent runtime and native iOS/Android code.
- Cut chat start-up latency by running history, summary and memory reads **in parallel** instead of one after another (previously 1–2s), and added a per-user **LRU/TTL cache** for tool clients with cleanup kept off the request path.
- Designed **Live Activities** and Android ongoing notifications as **idempotent full-state pushes** that recover from dropped or reordered APNs/FCM messages, within a 3.3 KB payload budget, plus streaming voice replies from the lock screen.
- Replaced expiring file links with an authorized **streaming file service** and immutable long-lived caching. Added per-user prompt caching and **abuse protection**.

Full-Stack Engineer, Infloso AI – Gurgaon, Haryana Sep 2024 – May 2026

- Designed and implemented the end-to-end **execute/campaign/collab module** connecting brands with creators and influencers.
- Developed **AI workflows** for automatic content generation, brand and social-media scraping, ad integrations and sentiment analysis.
- Built modular systems with **resilient scraping infrastructure**, integrated LLMs, and background processing on queues.

Software Engineer, Finportal – Surat, Gujarat Sep 2023 – Aug 2024

- Developed full-stack web applications including **investment-factory** and **loanshop**, with real-time dashboards and admin modules.
- Integrated **payment gateways**, user auth flows, CMS-style admin panels and custom business logic.
- Delivered maintainable, production-grade features under tight timelines.

Projects

Gigdash – Two-sided local-services marketplace

akhtark.dev/work/gigdash

- **Location-aware dispatch** that searches outward from each order in widening rings until a provider accepts, notifying each provider only once.
- **Payments, payouts and wallets** built so retries never double-charge or double-pay, plus live order tracking, chat and prioritized background jobs.

Futti – Football social and event platform

akhtark.dev/work/futti

- Delivered in **45 days**: React Native app and Go backend with events, rosters and location-based discovery.
- Real-time chat built on **Go concurrency** that drops slow clients instead of blocking and pushes to offline users. Third-party lookups are cached by source.

TogetherIV – Community for people in IV treatment

akhtark.dev/work/togetheriv

- Real-time **multiplayer games** and scheduled live trivia, with real-time, scheduled and background work in separate processes.
- Kept **Apple and Google in-app purchases** in sync with treatment-pass access and expiry.

Cardinal Prophecy

github.com/gewertyy/cardinal-prophecy

- Heart-attack risk screening app in **ASP.NET Core MVC** (.NET 6). It scores cholesterol, blood pressure and sugar readings through SQL Server stored procedures and keeps each user's history.
- Role-based access (user/admin), emailed one-time passwords, expiring reset links and encrypted record IDs, with data access split into its own service library.

Education

University of Mumbai – B.Sc. in Computer Science

April 2023

Institute of Information Security – Certified Information Security Consultant (CISC)

June 2024

Certifications

SQL (Advanced) – [HackerRank](https://www.hackerrank.com/certificates/sql-advanced)

API Penetration Testing – APIsec University