

# TIMUR KADYRBEKOV

Senior Software Engineer - LLM Systems & Full-stack (TypeScript, Node.js, Python)

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## PROFESSIONAL SUMMARY

Senior Software Engineer specializing in production LLM/agentic systems and full-stack product engineering with 5 years of commercial experience in TypeScript, Node.js, and PostgreSQL. Daily practitioner of agentic AI workflows (AGENTS.md context management, MCP servers, tool calling, structured outputs), driving ~35% faster feature delivery. Proven track record across backend API performance (-15% API latency, -25% database query speed), analytics automation (-40% manual reporting), and production frontend optimization (-30% page load, -20% bundle size, +20% mobile retention). High-ownership engineer comfortable navigating ambiguity and debugging across APIs, databases, message queues, system logs, and model outputs.

## TECHNICAL SKILLS

- \* AI / LLM Systems: Agent Orchestration, Tool Calling, Structured Outputs & Schema Validation, Retrieval, Multi-Model Routing, Prompt Engineering, MCP Servers, Evaluation Harnesses, LLM Tracing & Observability, Cost/Latency Optimization
- \* Languages: TypeScript, JavaScript, SQL, Python (working knowledge)
- \* Backend & Data: Node.js, Nest.js, Express, PostgreSQL, Prisma, TypeORM, Redis, REST APIs, Queue-based & Background Jobs
- \* Frontend: Vue 3, Nuxt 3/4, Pinia, Composition API, Reactive State Architecture
- \* Testing & Ops: Vitest, Playwright, GitHub Actions, Docker, CI/CD Pipelines

## PROJECTS

### OOBench - LLM Resolver Evaluation Harness - Author

- Designing a reproducible benchmark that scores LLM resolver output against already-closed prediction markets, so every question has a known ground truth instead of a human judgement call.
- Pipeline separated into dataset builder, resolver, evaluation loop, resilience and regression checks, and reporting. Every resolver call must return a fixed schema (outcome, confidence, reasoning, sources, conflicts detected), validated before scoring.
- Status: in progress - scope and evaluation design defined; implementation not yet public.
- Tech Stack: Python, TypeScript, LLM Evaluation Harnesses, Tracing & Observability

### NomadCore - Property Management System for Guest Houses - Personal project (solo)

- Built an offline-capable PMS end-to-end: NestJS + Prisma API over an 8-table PostgreSQL schema, HOLD -> CONFIRMED -> CHECKED\_IN -> CHECKED\_OUT booking state machine, and a Telegram bot booking channel.
- Implemented anti-overbooking concurrency control covered by a dedicated race-condition integration test, optimistic locking (row version) for offline sync, and a transactional outbox with a relay worker driving notifications through a Redis/BullMQ queue.
- Status: runs locally via Docker Compose; not publicly deployed. Front end later ported to React 19 / Next.js 16 as a separate study project.
- Tech Stack: NestJS, Prisma, PostgreSQL, Redis, BullMQ, Vue 3, Nuxt 4, TypeScript, Telegram Bot API

### GSKR KR - National Hotel & Accommodation Classification Platform - Founder & Lead Developer | [fundtourism.kg](https://fundtourism.kg)

- Built a multi-role B2G platform standardizing hotel and accommodation classification nationwide, digitizing paper-based government processes.
- Implemented 158-criterion self-assessment engine, deterministic algorithm for fair auditor assignment, and 5 role-based dashboards with QR-verified registry listings.
- Demonstrated operational prototype to an intergovernmental Asian Development Bank (ADB) working group.
- Tech Stack: NestJS, Prisma, PostgreSQL, Vue 3, TypeScript

### Kataloga - Telegram-Native Commerce & LLM Assistant Platform - Founder & Lead Developer | [kataloga.org](https://kataloga.org)

- Built a Telegram-native commerce platform replacing manual WhatsApp/Instagram DM order management for SMB merchants across CIS.
- Implemented OpenAI LLM conversational assistants for automated customer replies, Telegram Web App storefronts, QR/cash payment flows, and instant notifications.
- Tech Stack: NestJS, Node.js, Nuxt 4, Prisma, PostgreSQL, Vue 3, OpenAI API, LLM Agents

## PROFESSIONAL EXPERIENCE

### Combo Agency - Bishkek, Kyrgyzstan

Senior Software Engineer / Full-stack Developer | Apr 2023 - Present

- Integrated Agentic AI workflows (Cursor/Antigravity, agent-assisted code reviews, AGENTS.md repository context maintainer), accelerating feature delivery by ~35%.

- Architected REST API search and filtering capabilities integrated with backend services, cutting query latency by ~15%.
- Led Vue 3 / Nuxt UI development and full redesigns for 3+ B2B clients in food-delivery & retail (berrywoodfamily.ru, bellini.delivery, 7+ projects), boosting mobile user retention by ~20%.
- Partnered directly with business clients to translate complex product requirements into reliable, shipped production features on schedule.

### **Vignette ID - Bishkek, Kyrgyzstan**

*Fullstack Developer | Jul 2021 - Mar 2023*

- Redesigned PostgreSQL database schemas & NestJS/Node APIs, improving query performance by ~25% and closing SQL-injection vulnerabilities.
- Architected automated profit-calculation analytics dashboards, cutting manual business reporting effort by ~40%.
- Refactored Vue / Nuxt frontend architecture, reducing asset bundle size by ~20% and page load time by ~30%.
- Built a digital road-toll vignette marketplace for travelers across 8 European countries end-to-end: authentication, checkout marketplace, and admin panel with Telegram login.
- Introduced code review standards and CI/CD automation pipelines, lowering production bug rates and improving release stability.

### **Freelance Projects (part-time) - Bishkek, Kyrgyzstan**

*Web Developer | Jul 2020 - Jul 2021*

- Part-time freelance work while studying, before full-time commercial experience began in 2021.
- Built Vue.js / Nuxt and Node.js sites and small applications for business clients, covering schema design, API development, and deployment.