

Albek Yermek

Chief Technology Officer · Senior Backend Engineer

Bali, Indonesia | codelbk.com | kztali1@gmail.com | GitHub: alizoj | Telegram: @codelbk

PROFILE

10+ years building the backend systems businesses run on — and growing from engineer to CTO. I turn business-critical problems into systems that cut costs, move faster, and stay standing when you grow. My edge: I explain the engineering in plain business terms, and I ship architecture that scales instead of needing a rewrite next year.

- **Owns the whole build.** From database design and API contracts to deployment — I design and ship end to end, and use AI tooling (especially Claude) every day to move faster without trading away quality.
- **Rescues critical projects.** I take work from idea to release, and stabilize the projects that are already on fire.
- **Speaks business, not jargon.** Founders and stakeholders get outcomes and trade-offs in plain language — not implementation noise.
- **Finishes what I start.** No loose ends: every project reaches a stable release with the edge cases covered.

CORE SKILLS

Languages	PHP 8+, Go, Node.js, Python, JavaScript/TypeScript
Frameworks	Laravel, Yii2, Express, FastAPI
Databases	PostgreSQL, MySQL, MongoDB, Redis, ClickHouse
Infra & Ops	Docker, Kubernetes, AWS, Nginx, Linux
Messaging	RabbitMQ, Kafka, WebSockets
Architecture	Microservices, event-driven systems, high-load APIs, payment security
AI-Assisted Dev	Daily use of LLMs (Claude, OpenAI) for coding, refactoring, log analysis and deobfuscation; Anthropic Claude API integrations, chatbot automation, RAG pipelines

EXPERIENCE

Founder & Principal Engineer · Code LBK (codelbk.com) 2024 — Present

- Independent consulting brand: fractional CTO, backend system audits, AI chatbot development, and iGaming engineering for international clients.
- Shipped database migrations, framework refactors, and AI-powered automation that takes manual work off teams — built on the Anthropic Claude API.
- Full ownership, every time — from the first conversation and proposal through deployment and handover.

Senior Backend Developer · Sxope Inc. (US · Healthcare) 2023 — 2025

- Replaced slow, manual medical workflows with automated, secure data flows — teams moved 90% faster.
- Built high-throughput services that reliably handle millions of patient records, with safe handling of sensitive data.
- Raised the bar on reliability and code quality across the backend team.

Senior Backend Developer · CloudLinux Inc. (US · Cybersecurity) 2020 — 2023

- Core engineer on Imunify360 — the security product protecting millions of Linux web servers worldwide.
- Wrote 500+ detection rules that unmask hidden malware, and strengthened the engine that runs them at scale.
- Kept customers protected with dependable detection and fast incident response, in a fully-remote international team.

Team Lead / Senior Backend Engineer · InCraft (OnlineMektep, Bilimland) Prior

- Led the team behind nationwide EdTech platforms used by millions of students across Kazakhstan — including the online school that kept the country learning through COVID-19.
- Set technical direction, ran code review, mentoring and hiring, and kept business-critical workflows fast under heavy real-world traffic.

Backend Engineer · Fircroft · Tandau · Gamma Technology · Payda Innovations

Earlier roles

- Across telecom, logistics, fintech and product — built the APIs, internal tools, and automation that businesses ran on day to day.
- One example: made a secure telecom platform 40% more resilient and cut critical failures in half.
- This cross-industry range is what anchors the architecture work I do today.

SELECTED PROJECTS

Technodom	The backend behind Central Asia's largest electronics retailer — fast and reliable on the busiest sale days.
HRMessenger	AI HR assistant that automates hiring funnels, screening, and scheduling.
Private iGaming Platform	Betting platform handling up to 1M events a day, with custom payment security and fraud protection.
GlobeOpinion	Global survey platform collecting data across regions.
Alua / FindBride	International social and dating products serving users across many countries.
UniPark	Vehicle-ordering service with a mobile-facing API.

EDUCATION

M.Sc., Information Systems & Software Engineering	<i>International IT University (IITU), Almaty</i>
B.Sc., Information Systems & Software Engineering	<i>International IT University (IITU), Almaty</i>

AWARDS

- **CloudLinux Inc. — Letter of Appreciation (2023).** Recognition for outstanding contribution to security infrastructure and product reliability over three years on the team.
- **HackDay 2015 — 1st place, IT track.** Solo build of a real-time patient-monitoring telemedicine prototype — full cycle from idea and architecture to hardware (Arduino, C++, sensors).
- **Cisco EMEA NetRiders 2014 — 3rd place, national stage** (regions covered: Europe, Russia / CIS, Middle East, Africa).

LANGUAGES

Kazakh — native · Russian — fluent · English — C1

BEYOND WORK

Active lifestyle — surfing, mountain hiking, fitness. Sport is where I train discipline and focus under load; the same instincts carry into how I handle pressure on hard engineering problems.