

Iskhak Asanov

Applied AI & Full-Stack Engineer · Open to relocation

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SUMMARY

Full-stack engineer and technical co-founder with 6+ years of experience shipping web, mobile and AI products. As Co-founder & CTO of Boolut Technologies I build production LLM features on the Claude API: an AI sales assistant with human approval, a remote MCP server with OAuth, hybrid legal search with cited answers, and evaluation pipelines. I work with business and government clients across the CIS, in English, Russian and Kyrgyz.

TECHNICAL SKILLS

AI: Claude API, MCP, agents, RAG, hybrid search (OpenSearch, Qdrant, pgvector), evals (gold sets, LLM-as-judge), NER

Languages: TypeScript, JavaScript, Python, Go, SQL

Frontend & mobile: React, Next.js, Vite, Tailwind, shadcn/ui, React Native (Expo), Capacitor, WebRTC

Backend & infra: Node.js (Fastify, BullMQ), FastAPI, PostgreSQL / Supabase, Redis, Docker Swarm, Vercel, Hetzner

Spoken: English, Russian, Kyrgyz

EDUCATION

Ulsan National Institute of Science and Technology (UNIST), Ulsan, South Korea

2017 – 2021

Computer Science and Engineering

EXPERIENCE

Boolut Technologies

2023 – Present

Co-founder & CTO

Bishkek

- Lead a six-person team (backend, frontend, design, PM) building SaaS products and fixed-price projects for business and government clients across the CIS; own discovery, architecture, proposals and delivery.
- Boolut CRM: built Boot, an AI assistant on the Claude API that drafts replies grounded in a workspace knowledge base, briefs leads, suggests next steps and transcribes calls. The model has read-only tools, a person approves every action, and every run is logged against an AI-credit budget.
- Built an evaluation bench that runs the production reply drafter on saved test cases and grades the output with an LLM judge before prompt changes ship.
- Built a remote MCP server (OAuth 2.1 with PKCE) exposing 15 CRM tools to Claude. Each call runs under the user's own row-level security via a 2-minute token, and customer text is fenced as untrusted input.
- Unified inbox for WhatsApp Business Cloud API, Instagram, Telegram and web chat on a Node.js/Fastify worker with BullMQ queues; data import from HubSpot, Salesforce, Zoho, amoCRM and Bitrix24.
- Boolut ERP: multi-tenant property management SaaS for business centers with 450+ row-level security policies, lease agreements with e-signature, recurring billing and two-way 1C integration. Wrote ~85% of 1,350+ commits across React/TypeScript web, Expo and Capacitor mobile apps and 42 Supabase edge functions.
- aqlex (aqlex.ai): AI legal platform for Kyrgyzstan. Built scrapers that harvested 422K+ laws and court decisions, hybrid BM25 + vector search (OpenSearch, Qdrant, Voyage) measured on a 300+ query gold set, and Claude answers that cite specific articles. Unverified citations were hurting retention; adding claim verification, with a second model re-checking every mismatch, brought it back up.

Springdel MDM

Frontend Engineer

09/2022 – 09/2026

Remote, contract

- Improved file upload and download speed from remote devices by up to 10x in the WebRTC-based File Explorer.
- Played a lead role in the device search feature, praised by our largest clients (10 clients, 100,000 managed devices).
- Migrated Webpack to Vite: dev start-up 30s ' ~10s, hot reload ~20s ' ~5s, production build 4–5 min ' 1–2 min. Moved routing to React Router v7 with lazy-loaded routes to cut bundle size and time to interactive.
- Automated synchronization of ~6K lines of localization files with the Claude SDK and agentic workflows; brought TypeScript, Tailwind and shadcn/ui into the legacy JavaScript codebase.

Makers Bootcamp

Full-Stack Developer & Team Lead

09/2021 – 09/2022

Bishkek

- Built the bootcamp's web platform (React, TypeScript, Redux, Firebase, Node.js) with online payments; led code reviews for 5–9 developers, mentored students and cut technical debt from 90% to 20% in the first month.

PROJECTS

QR access control platform

2026 – Present

Multi-tenant system for an industrial client, plus the team's first hardware: an ESP32-S3 door controller with Wi-Fi, Ethernet, LTE and a custom PCB.

Legal citation NER

2026 – Present

Trained RuBERT models on 300K auto-labelled spans to extend aqlex's citation resolver.

Edge face recognition

2026 – Present

On-device recognition with liveness checks on an ESP32-S3 camera (MiniFASNet).