

Oleksandr (Alex) Bodrov

Senior Software Engineer · Founding Engineer · AI & Agentic Systems

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Senior software engineer and founding engineer with over a decade designing and shipping customer-facing products. Built and hardened production MCP integrations on multi-tenant platforms; architected governed agentic development systems, secure AI action workflows, and large-scale frontend applications. Founder of three products, combining system design and deep React/Next.js craft with Python/FastAPI platform engineering and end-to-end delivery.

AI & Agentic Systems: Claude/Anthropic, Gemini, OpenAI, OpenRouter, Hugging Face, MCP, orchestration, tool calling, grounding, guardrails
Architecture & System Design: multi-tenant systems, API design, OAuth 2.0, permissions, distributed workflows, caching, observability
Frontend & Product: TypeScript, JavaScript, React, Next.js, Redux/RTK Query, React Query, MUI, Tailwind, Storybook, Chromatic, Webpack, Vite
Backend, Platform & Quality: Python, FastAPI, Node.js, NestJS, PostgreSQL, MongoDB, Supabase, REST, GraphQL, Modal, AWS, Docker, Kubernetes, GitLab CI/CD, Playwright, Cypress, Jest

EXPERIENCE

Senior Software Engineer

Jan 2026 – Present

GiveStar, charity & fundraising platform (via MWS) | Sofia, Bulgaria / Remote

Led Claude-based agentic development and frontend technical improvements across GiveStar's multi-repository product surface: governance, knowledge systems, design-system rollout, and production AI-assisted workflows.

- Led a Claude-based agentic development program across nine repositories; 158 tickets processed and 114 reached production during a four-month rollout.
- Architected governance for an LLM-maintained cross-repository knowledge base with 130+ curated pages, including repository routing, bounded cross-repo handoffs, automated review rounds, human-takeover detection, allow-listed tools, and ticket eligibility rules.
- Led a 35+ component React/Next.js design-system rollout to standardize UI delivery across frontend repositories.
- Raised unit-test coverage from 0% to about 35% across GiveStar's frontend applications; built Playwright E2E from scratch on GitLab CI for two projects, covering critical user paths.

Stack: React, Next.js, TypeScript, Claude / Anthropic API, GitLab CI/CD, Playwright, PostHog, Sentry

Senior Software Engineer, AI Integrations & MCP Platform

Apr 2026 – Present

Viktor / Zeta AI, independent contract (~15–20 hrs/week) | Remote

Owned production MCP integrations and shared-platform reliability for Viktor: Python/FastAPI servers on Modal with OAuth/API-key auth, multi-tenant security hardening, and reusable simulation tooling.

- Contributed across about 25 MCP integrations; owned seven end-to-end: Shopify, Meta Ads, Triple Whale, Modash, Jira, OpenRouter, and a financial API integration.
- Built Python/FastAPI MCP servers on Modal with OAuth 2.0 or API-key authentication; supported a broad integration surface including Hugging Face and Google Drive.
- Diagnosed shared OAuth retry infrastructure and shipped a fix that reduced total MCP errors by 72% and dead-token failures by 73% over a measured 24-hour window.
- Closed an over-broad default-permission gap in a multi-tenant financial integration; built a reusable YAML-driven MCP simulation/test harness.

Stack: Python, FastAPI, Modal, OAuth 2.0, MCP, OpenRouter, Hugging Face, YAML test harness

Founder & Product Engineer

Independent · ongoing

OhMyDesk · Trudify · CodeBurg | Burgas, Bulgaria / Remote

Founded, designed, built, launched, and operate three products/businesses end-to-end: from system architecture and implementation to users and day-to-day operations. Gathered and mentored a small group of contributors along the way; several went on to stronger engineering roles.

- **OhMyDesk:** shipped an AI-native coworking platform to about 30 operators and 100 members; built a multilingual Gemini Operator Autopilot with Postgres RLS, allow-listed tools, propose → confirm → execute → audit, grounding, and anti-injection controls.
- **Trudify:** built and operated a multilingual services marketplace end-to-end with Next.js, DeepL, Stripe, Google Maps, and Telegram automation.
- **CodeBurg:** founded and operate a technology-focused coworking business and its supporting digital product and operational systems.

Stack: Gemini, Supabase, PostgreSQL/RLS, Edge Functions, TypeScript, React/Next.js, Stripe, DeepL, Google Maps

EXPERIENCE (CONTINUED)

Senior Frontend Developer

Sep 2022 – Dec 2025

Skillo, Alma Media (Finland’s largest real-estate marketplace) | Remote, Bulgaria

- Migrated a 50K+ LOC React codebase to Next.js 14, reducing build time by 40% and improving Core Web Vitals by 25%.
- Implemented Chromatic visual regression testing that caught about 95% of UI regressions before production; built an internal CLI that saved about 40 minutes/day per developer.
- Integrated OpenAI for automated property-description generation, reducing content-creation time by 60%; supported AWS infrastructure for 100K+ daily users.

Stack: Next.js, TypeScript, React, AWS, Chromatic, OpenAI, MUI, Jest

Senior Full Stack Consultant (part-time)

Jun 2024 – Dec 2025

Independent | Burgas, Bulgaria

- Optimized Groupon’s high-traffic platform: improved Core Web Vitals by 10–24% (LCP ~3.2s → ~1.9s), reduced API payloads by 40% via GraphQL/Apollo caching, and strengthened monitoring/CI delivery.
- Developed the Courtly booking-platform admin panel and NestJS API for booking management and authentication.

Full Stack Developer → Team Lead

Oct 2014 – Sep 2022

SoftServe | Dnipro, Ukraine

Grew from frontend/full-stack engineer to team lead across enterprise clients (Bazaarvoice, social-media aggregation, Inditex supply chain), delivering accessible, SEO-aware product UIs and leading distributed Agile delivery.

Inditex supply chain • Senior React / Scrum Master

Built Proxy-based state management with transactions/rollbacks for complex drag-and-drop sync; contributed 20–30 design-system components; migrated Enzyme → React Testing Library (~73% faster).

Curations social platform • Team Lead (team of 4)

Architected Node/Express APIs aggregating major social networks; designed MongoDB schemas for high-volume social data; shipped React/Redux widgets and admin tools with A/B testing.

Bazaarvoice ratings & reviews

Delivered SEO (semantic HTML, JSON-LD, rich snippets) and WCAG 2.1 AA components for high-traffic retail widgets across US/Europe/Asia time zones.

EDUCATION

Bachelor’s in Civil Engineering, PSACEA, Dnipro, Ukraine • 2005–2009

CERTIFICATES

- Introduction to Model Context Protocol • Anthropic, Apr 2026
- Claude Code in Action • Anthropic, Apr 2026
- Introduction to Claude Cowork • Anthropic, Apr 2026