hello@alexandr.sh
alexandr.sh
github.com/alcovegan
t.me/alcovegan

Alexander Sharabarov

FULL-STACK DEVELOPER · AI AUTOMATION

I design and build services and applications end to end, from the interface to deployment, backups and monitoring. These days I mostly build products with AI inside. Until November 2026, Senior Full-stack Engineer at Aknaucer, building AI products for evidence-based medicine.

EXPERIENCE

Feb 2026 — Nov 2026
10 months
TypeScript Python Node.js Next.js FastAPI

Aknaucer · Senior Full-stack Engineer
AI products for evidence-based medicine, for doctors and pharmaceutical companies

— Designed and launched aknaucer.ru, a portal for doctors, from scratch: medical literature search, a personal library, AI-generated materials, translation, transcription.
— Built a medical data monitoring service. It tracks six sources, among them the Russian Ministry of Health clinical guidelines, drug labels (SmPC), the State Register of Medicines, PubMed/PMC and regulations, and pushes changes to five company products through webhooks and an API.
— Developed Medassistant, an AI assistant for doctors. It answers only from verified sources supplied by the monitoring service and checks every quote and every number in its answer against them.
— Developed a transcriber for medical lectures and webinars: speaker separation, search and questions over recordings, subtitles.
— Built grant monitoring together with a colleague: about 56,000 programs from six portals, with relevance scored by an LLM.
— Built an environment where AI agents (Claude Code, Codex) work on five products in parallel. Each project has its own rules, memory and skills, and agents from different projects agree on integration contracts between themselves.
— Wired product rules into the agents' work: a hook stops any edit that changes a user flow until the agent names the affected user stories. Skills carry each task from the tracker to deployment.
— Assembled a shared, regularly updated context base for the company's 27 projects: an agent in any project knows how the neighboring services work and what has recently changed in them.

Aug 2024 — Jan 2026
1 year 6 months
TypeScript Node.js Vue Tailwind Elixir Gleam

Freelance and own projects · Full-stack, DevOps and AI automation
My own services and client work

— Web services, parsers, CRMs and admin panels, data-tracking services, including ones around my personal library and home infrastructure.
— Architecture and infrastructure for them: Docker, deployment to the cloud and to my own servers, backups, logging; PostgreSQL and MongoDB.

Apr 2022 — Apr 2024
2 years 1 month
JavaScript Vue Node.js Webflow

MTRX Agency · Full-stack developer / DevOps engineer
Agency: development and integrations

— The company's internal product: CRM, landing pages for paid traffic, SEO.
— Products for the agency's clients: the full cycle from markup to integrations with analytics, CRMs and third-party APIs.
— DevOps: CI/CD with GitHub Actions, Docker, Ansible and Terraform, one deployment procedure for everything, fewer manual steps per release.

Jul 2021 — Feb 2022
8 months
JavaScript Vue Node.js Webflow

Develux · Full-stack developer
Outsourced development and an in-house EdTech product

— Products for the company's clients and the in-house EdTech product.
— Code review, frontend and backend performance optimization.
— DX: build tooling, development and testing environments.

Jul 2016 — Jul 2021
5 years 1 month
JavaScript Vue Node.js Express Fastify GraphQL

Freelance · Full-stack developer
Services built from scratch for clients

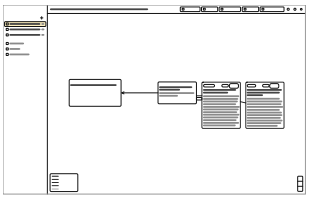
— Several local food delivery services and an admin panel for a chain of cafés and restaurants: managing venues and deliveries.
— A flight search service on the Aviasales API and, as a by-product, modules for the Travelpayouts API.

Jun 2009 — Apr 2015
5 years 11 months
HTML/CSS PHP

Freelance · SEO specialist
SEO and affiliate marketing

— Websites built to attract and monetize traffic; affiliate programs including Admitad and Aviasales/Travelpayouts.
— Traffic arbitrage and lead sales.

SIDE PROJECTS

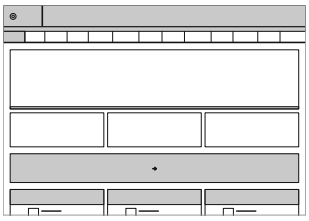


Evidence Board in progress

Research boards: the topic in the middle, claims, facts, quotes and sources around it, connected by arrows that carry meaning.

TypeScript · React · Fastify

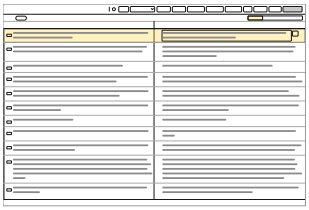
evidence.devisfun.ru



Scrobble Vault

Twenty years of Last.fm listening history: statistics, visualizations, listening patterns.

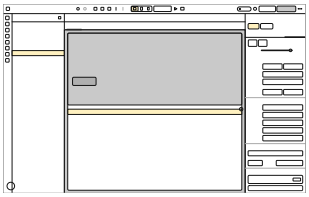
Python · Vue · Express



Translator

An AI CAT tool: document translation with translation memory, a glossary and quality checks.

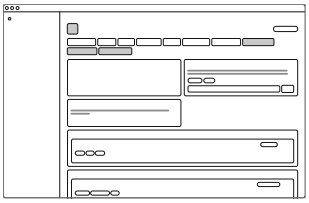
TypeScript · NestJS · React · Python



Flowpage in progress

A website builder where a page is a typed document and HTML and CSS are compiled from it.

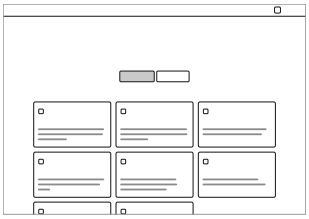
TypeScript · Next.js



AgentDesk

Shared project memory for Claude Code and Codex: a journal, work reports, rules, threads between agents.

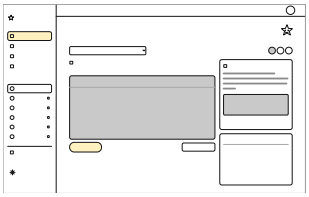
Rust · Tauri · Vue · TypeScript



Pastebox

A self-hosted pastebin with end-to-end encryption, a CLI and an API.

TypeScript · Fastify



Gleam Fun

An in-browser trainer for the Gleam language: exercises, hints, code checked right in the browser.

Gleam · JavaScript · WebAssembly

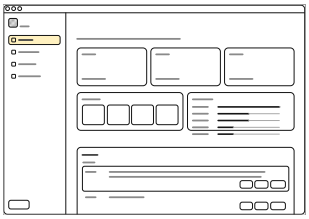
gleamfun.devisfun.ru



macOS Toolbelt

Four native Swift utilities: ports, SQLite, CSV and JSON.

Swift · SwiftUI



PasteVox

A native macOS utility: hold a key, speak, and the text lands in the active window.

Swift · SwiftUI · AppKit

Also: Library Manager — a home library: desktop and mobile apps; **Calorie Tracker** — a food diary with AI; **Spotify Extended History** — a dashboard for a personal Spotify data export.

SKILLS

Languages	TypeScript, JavaScript, Python, Swift, Rust, PHP
Backend	Node.js, FastAPI, Fastify, NestJS, Express, GraphQL
Infrastructure	Docker, GitHub Actions, Ansible, Terraform, Prometheus, Grafana, n8n
AI at work	agentic development (Claude Code, Codex), LLM pipelines
Frontend	Vue, React, Next.js, Tailwind, Webflow
Data	PostgreSQL, TimescaleDB, MongoDB, MySQL, Redis, SQLite
Testing	Jest, Playwright, Puppeteer
Languages	Russian — native, English — B2