

PROFILE

- **Full-stack engineer building AI-powered products end-to-end** — React/Next.js frontends, Python & TypeScript backends, agentic AI pipelines (RAG, MCP, prompt engineering) and cloud infrastructure.
- **12 years in software**, the last 3+ taking a production AI platform (Viscap.AI) from zero to scale as part of a small, high-ownership team.
- Background in **systems programming** (C/C++, Linux/Windows internals, embedded) gives an edge in performance, debugging and infrastructure work. Also a long-standing **Rust** enthusiast.

EXPERIENCE

VisCap Media Ltd.

Nov 2022 — Present

Las Vegas, US (*Remote*) — Direct-response ads agency, UGC-style video production

Senior Staff Engineer

- Building **Viscap.AI**, an AI-powered video-ads production and e-commerce intelligence platform for agencies, brands, creators and talents.
- **Led frontend development** from scratch (2022–present) with Next.js, React and Ant Design. API layer in TypeScript and Python on Cloud Functions and Cloud Run; Typesense (ElasticSearch alternative) for instant search; Firestore as primary DB.
- Built **agentic AI workflows** with Pydantic AI — RAG / vector search, deep agents, data ingestion via Facebook API and DataForSEO; traced and evaluated with Logfire.
- Designed **async microservices** on Google Cloud: Eventarc, Cloud Workflows, Queues, Tasks and Scheduler orchestrations, Cloud Run Jobs for batch processing — experience that translates directly to AWS.
- Backend in Python (typed & async) with FastAPI, Flask, Pydantic; data layer spans Postgres, Firestore, and vector search (pg_vector, ChromaDB). Astral.sh tooling (uv, ruff, ty).
- Observability with LogRocket (frontend) and Sentry (backend); tested with pytest, jest and Playwright; CI/CD via GitHub Actions and Cloud Build.
- Applied LLM tooling (Cursor, GitHub Copilot, Claude Code, Antigravity) throughout the dev process. Early adapter of AI-assisted development process.
- Leading role in preparing the project-wide **CASA Tier 2** security assessment (OWASP list). Authored and maintained Stripe payments integration.

Ancud Ltd.

Jul 2014 — Sep 2022 • 8 yrs 3 mos

Moscow — Hardware security modules & company-wide security solutions

Intern to Senior Developer

- Developed and maintained driver software for in-house devices on Linux and Windows — PCIe security modules and network cards.
- Built firmware and software for hardware security modules: Qt GUI shell, embedded Linux, STM32 (ARM) firmware, Python & systemd services.
- Worked on Linux and Windows kernel-side software — drivers and kernel security modules.
- Produced custom patches for in-house, non-upstreamed forks of major open-source projects — Nginx, OpenSSL, OpenVPN, Open vSwitch, QEMU and GRUB.
- Built embedded Linux images with Buildroot and Yocto; server-side services in C# / .NET; unit testing with Python and GTest; CI/CD with TeamCity; code reviews and intern mentoring.

EDUCATION

2015 — 2017

National Research University of Electronic Technology (MIET)

M.Sc., Informatics & Computer Engineering

Thesis — Solving SAT formulas on GPU with CUDA and C++

2011 — 2015

National Research University of Electronic Technology (MIET)

B.Sc., Informatics & Computer Engineering

Thesis — Instancing and culling techniques with OpenGL

LANGUAGES

Russian	Native
English	B2

SIDE PROJECTS

A CCTV dashboard built with Qt, and an assortment of small personal projects in Rust.