Aleksandr Chernikov

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Founder & CEO, A Generator
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A Generator is a scheduling engine sold as an API. We start with schools: school software calls our API to build the timetable and find substitutes; schools without such software use Vyorm Schedule, our web app on the same engine. The engine has new best-known results on 4 of 25 XHSTT-2014 school timetabling instances and 4 new best-known solutions in nurse rostering. I write all of the code, with Claude Code. Alrevion is my product studio in Tashkent.

EXPERIENCE

Founder & CEO, A Generator — Sep 2026 — present

A scheduling engine sold as an API · ag.alrevion.com · Tashkent, Uzbekistan

- **Engine:** I write all of the code, with Claude Code: a Rust core of about 75,000 lines, written from scratch. For a real school (1,711 lessons in its weekly timetable) it builds a complete clash-free timetable in 3.5 s once the data is in; it measures how close each timetable is to the best possible and explains when a task has no solution. The API has been live since 29 October 2026. Roadmap: schools, then universities, then hospital and shift rostering, then vehicle routing.
- **New best-known results on 4 of 25 XHSTT-2014 instances**, 0 hard violations: NL-KP-09 665 vs 1,620 (-59%), NL-KP-03 102 vs 199 (-49%), DK-FG-12 1,020 vs 1,263 (-19%), NL-KP-05 399 vs 425 (-6%); previous bests: GOAL, 17 April 2017 (XHSTT archive). Verified with the official HSEval evaluator, submitted to the XHSTT archive, not yet published. Our scores match HSEval on all of the benchmark's 25 problems from real schools in 12 countries.
- **4 new best-known solutions and 6 new lower bounds in nurse rostering** on the site's original instances, accepted by schedulingbenchmarks.org on 21 and 27 October 2026 (MER-A 8,328 vs 8,779; ERRVH-A 2,076 vs 2,118; ERRVH-B 3,027 vs 3,090). Our reading: for ERMGH-A and ERMGH-B the new lower bounds meet the best-known solutions, so those are optimal.

Founder, Alrevion — my product studio in Tashkent — 2026 — present

alrevion.com · 12 products built, 5 launched to real users; fixed-price and hourly work for local clients

- **Shared platform:** Alrevion Auth (OTP, password + TOTP 2FA, passkeys / WebAuthn, social sign-in; JWT / JWKS) and Alrevion Push (Web Push, APNs, FCM) — one identity and notification layer for every product, edge-native on Cloudflare Workers.
- **Portfolio:** in production — IJODA (verified-creator marketplace; paid bookings), Tribeon (hackathon platform; first event: 54 sign-ups, 16 teams), tennis school SaaS (client, used until July 2026); in development — Ready EIP (corporate learning with an AI role-play trainer), Vyorm Schedule (school timetabling web app on A Generator; demo), Alrevion PMS (short-term rentals), Hando (voice AI assistant); paused MVP — Stomiko (software for solo dentists).

Independent Business Consultant — 2024 — 2026

Freelance · Project-based

- Restructured the sales funnel at a company that manufactures refrigeration equipment; pricing and targeting changes led to an increase in monthly revenue of at least 20% within 3 months.
- Implemented a CRM system and task automation at a service company; this reduced manual work and cut client response times by about a third.

EDUCATION

B.Sc. Business Informatics — E-Business · SPbPU — 2022 — 2026

- Admitted 13th of 193 shortlisted applicants to a fully state-funded place. GPA 4.35 / 5.0, credit-weighted (≈ 3.35 / 4.0 US). **Thesis:** an intelligent information system for scheduling and the educational process, piloted at a private school in Tashkent before the defense.

Professional retraining diploma — IT Consulting · SPbPU (256 h) — 2024 — 2025

- Qualification: Information Systems Manager. Business process and enterprise architecture optimization, IT project management, digital transformation. Final project (excellent): customer-support chatbot.

COMPETITIONS & PROJECTS

- **1st in the programming track**, "IT Perspective" (Rostelecom IT × SPbPU, 2025), one of 5 track winners among 60+ teams; recommendation letter · **Top-20** — Avito BootCamp (real company case), 2025
- **Family Finance AI** · Cursor Hackathon, 2026 — MVP turning bank transactions into a household financial plan. **CMS & Corporate Website** · full BA project, 2025 — SWOT, CMS selection, spec, UAT, CAPEX/OPEX, ROI.

SKILLS

Product	Product discovery · Interviews (JTBD) · Competitor teardowns · USP · Demand & usability tests · MVP · Roadmapping · Go-to-market · Product analytics (funnels, retention, A/B) · Unit economics
Analysis	Requirements & acceptance criteria · Processes L0–L3, AS-IS / TO-BE (BPMN, EPC, IDEF0) · Business rules · Data modeling · Specification · Architecture & ADRs · API · Threat modeling · UAT
Project Mgmt	Agile · Sprints · Risks & RACI · Escalation matrix L0–L3 · ITSM, SLA, runbooks · Change management · MS Project · Notion · Figma
Finance	Financial modeling · Business case (NPV, IRR, PI, payback) · ROI · CAPEX / OPEX
Estimation	Three-point (PERT) estimates · Risk reserves · Commercial proposals · Staged, revenue-share and retainer pricing · Build vs buy vs subscribe
Optimization	Combinatorial optimization · Lower bounds · Benchmarking (XHSTT-2014 with HSEval; nurse rostering)
Engineering	TypeScript · Python · Rust · SQL · React / React Native · PostgreSQL · Cloudflare Workers · Telegram bots & Mini Apps · Click / Payme · LLM integration & evaluation · AI agents
Languages	Russian — native · English — C1 (EnglishScore) · **Certificates:** Anthropic Claude 101, AI Fluency (2026) · HubSpot Digital Advertising (2026)