Eugen Soloviov

Software engineer and quant developer: web, trading systems, blockchain, AI

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Software engineer with 20+ years of shipping. Long before the AI boom I built websites and products end to end: design, architecture, frontend, backend and DevOps, including six years running my own web studio. Quant developer and researcher: trading since 2011, building trading robots, strategies, backtests, research and analytics since 2017. In blockchain I built an ICO analytics platform and my own DEX from scratch, and launched a chain on Cosmos SDK. I have also made a few games, edited video and worked with electronics. With AI, all of these skills only got stronger.

Experience

Cmdop · *Partner, CTO* 2025–present

Remote server management through AI agents.

- Own the product stack: agent control, chat bots for Telegram, Discord and Slack, browser automation
- Frontend in React, Next.js and TypeScript; a skills marketplace for agents

Stack: React, Next.js, TypeScript, Python

Marketmaker.cc · *Founder, CEO* 2024–present

Scalping terminal, market data warehouse and backtesting for crypto traders.

- Scalping terminal covering 60+ exchanges, with a tick-level backtester that replays live-bot behavior
- Historical market data warehouse (warehouse.marketmaker.cc)
- Strategy search with Optuna (TPE, CMA-ES) on 50+ threads; a 3-node cluster with an in-memory cache made backtests 26x faster

Stack: Go, TypeScript, Rust, QuestDB, DuckDB

Deep.foundation, Deep.memo · *Full-stack developer* 2022–2024

Open-source startups built on a pseudo-graph database.

- Event-driven backend and React/Next.js frontend over GraphQL, Apollo Server and Hasura
- DevOps: Docker Swarm, Dokploy, Argo CD, Kubernetes Crossplane, Terraform, vertical scaling

Stack: Node.js, React, Next.js, GraphQL, Hasura

Shakeapp · *React developer* 2020–2022

C2C and C2B sharing platform for renting cars and homes.

- Mobile and web product on Node.js, React, Next.js, GraphQL, Apollo Server and Hasura, event-driven

Kupi.net · *Startup partner* 2019–2020

Website builder.

- Built on React and Django

Kupi.network · *Founder, full-stack developer* 2018–2019

Own open-source crypto trading terminal.

- Terminal covering 130+ exchanges
- Two versions: React with class components and MobX, then Vue 2 and MobX

Dolphin BI · *Frontend developer, startup team* 2016–2018

Open-source marketplace of crypto and ICO analytics.

- Sentiment analysis of bitcointalk.org news; ICO fundamental analysis with metrics and expert reviews
- Born at the waves.tech hackathon (1st place, 2016); Startupbootcamp accelerator in Amsterdam
- Ran an ICO that did not reach its target; frontend in Vue 2

Thermom · *Startup partner, frontend developer* 2016

Startup that went through the Bayer accelerator.

- Frontend in Vue 2, January to May 2016

klava.org · *Development partner* 2013–present

Ergonomic keyboards, a keyboard builders' community and an on-screen keyboard.

- Catboard and about ten later ergonomic keyboard prototypes
- Keyboard builders' community t.me/klavaorgwork: 1,000 active members, 600k+ messages
- Hlider on-screen keyboard for Android (Kotlin) and iOS (Swift, SwiftUI, UIKit)

Independent trading · *Trader, quant developer* 2011–present

From mining and manual trading to automated strategies.

- Mined BTC and LTC, invested and traded by hand, then automated: data parsers, signals, bots
- Arbitrage and scalping since 2017, trend algorithms since 2021, portfolio management and crypto futures since 2022
- Own adapters to 30 exchanges plus about 100 through CCXT; stock brokers Tinkoff, Freedom Finance and Alor; qualified investor status in 2020
- Data stack: Node.js, Python, MongoDB, Tarantool (in-memory Lua), ClickHouse

De-core.net · *Founder, web studio* 2010–2016

Started as a solo freelancer, then ran a studio of 3 to 7 developers.

- About 200 sites: markup, frontend, prototyping and design
- webpack, BEM, web components, Angular, React, Vue, Meteor, Node.js, Ionic and Cordova
- Interface design in Sketch, Figma, Inkscape and Fireworks

Early web · *Hobby web developer* 2005–2010

Sites and forums on phpBB, vBulletin and Joomla.

- First sites in 1998 with FrontPage and Dreamweaver; later HTML, CSS, JavaScript and PHP

Selected projects

Scalper terminal prototype — Native scalping terminal in Rust with the iced framework. 2026
Rust, iced

AI agents for news trading — Agent system that trades on news. 2026

Trender — Backtest engine for fast testing of trend algorithms, plus a bot. 2026

gaia — Drives Gemini, Veo 3 and NotebookLM through a logged-in Camoufox session, no API keys. 2026
14 stars · Python, Camoufox

Content factory — Article to slides and audio, to synced MP4, to subtitles and metadata, to YouTube upload. 2026
FFmpeg, Whisper, Python

Listingapis.com — Listing strategies: backtests and network latency cut between signal and order. 2025–present

AI form filling — AI service that filled in forms on websites for the user. January to March 2025; the project was closed. 2025

aicommit — CLI that writes git commit messages with LLMs and falls back to free models. 2024–present
25 stars · Rust

Front-runner — Market anomaly search with signals and a bot: orders placed within 1 ms, best servers near exchanges picked automatically. 2024

Cosmos SDK chain — Launched a blockchain on Cosmos SDK; the network ran about a year, then the nodes were stopped. 2024–2025
Cosmos SDK, Go

Vue scalper terminal — Scalping terminal on Vue.js. 2023
Vue

centrum-air.com — Website for a private airline of Uzbekistan. 2023
React, Next.js

Tinkoff Bot Balancer — Open-source portfolio rebalancing bot, built at the Tinkoff hackathon in 2022. 2022–2025

Deep Profitmaker — Concept of a trading architecture on pseudo-graphs. 2022

Pair trading research — Cointegration and statistical arbitrage. 2022

profitmaker — Open-source, self-hosted trading terminal, extensible with modules, for 100+ exchanges via CCXT. 2017–present
365 stars, 93 forks · TypeScript, React, Bun, PostgreSQL

Bursa.dex — Own decentralized exchange from scratch: Solidity smart contracts, web3.js, React, Django. Funded the work and built frontend and backend. 2017–2018
Solidity, web3.js, React, Django

ICOFaces — Analysis of ICO participants' history. 1st place at BlockchainHack 2017. 2017–2018

Inter-exchange arbitrage — Metrics, signals and bots on up to 30 exchanges: compare last prices, then emulate fills when prices decorrelate. 2017

Kupi.ru — Marketplace startup; went through the FRII accelerator. 2013

Skills

Languages: TypeScript, JavaScript, Python, Go, Swift, Rust (basics), Zig (basics), Kotlin (basics), C++ (basics), C# (basics), Lua (basics), Haskell (basics)
Frontend: React, Next.js, Astro, Vue, Nuxt, Svelte, Angular, Meteor, MobX, Apache ECharts, React Stockcharts, BEM, Sass, Stylus, web components
Mobile & desktop: SwiftUI, UIKit, Kotlin (Android), Electron, Tauri, Ionic, Cordova, Capacitor
Backend & APIs: Node.js, Bun, Elysia, Django, FastAPI, GraphQL, Apollo Server, Hasura, gRPC, REST, WebSocket, FIX Protocol
Databases & streaming: PostgreSQL, QuestDB, ClickHouse, DuckDB, Redis, MongoDB, MySQL, SQLite, Tarantool, Parquet, Apache Kafka
DevOps & infra: Docker, Docker Compose, Docker Swarm, Kubernetes, Crossplane, containerd, CRI-O, Nginx, Apache, Traefik, Istio, Gateway API, Dokploy, Terraform, Pulumi, Argo CD, GitLab CI, Prometheus, Grafana
Quant & trading: Trading robots, Market making, Arbitrage, Scalping, Trend algorithms, Portfolio management, Crypto futures, Pair trading, Statistical arbitrage, Tick-level backtesting, Optuna (TPE, CMA-ES), Listing monitors, HFT messaging, CCXT, Binance, Bybit, Gate.io, MEXC, Bitget, Tinkoff Invest, Freedom Finance, Alor, MOEX
Blockchain: Solidity, web3.js, Cosmos SDK, DEX design, ICO analytics
AI & agents: Claude Code, Codex, Subagent orchestration, MCP servers, Pydantic AI, Multi-model routing
Design: Figma, Sketch, Inkscape, Fireworks, Prototyping
Video & motion: HyperFrames, GSAP, FFmpeg, Final Cut Pro, iMovie
Hardware & other: Ergonomic keyboards, LabVIEW (Core 1, Core 2, DAQ), Electronics, Game development, Touch typing: 500+ cpm Russian, 400+ English

Awards

Jul 2017 — **BlockchainHack by Waves: winner**, ICOFaces
2016 — **waves.tech hackathon: 1st place**, Dolphin BI
Nov 2014 — **Yandex hackathon on BEM: 1st place**, team
Oct 2014 — **Fablab weekend: best promotion award**
Sep 2014 — **Robohack robotics hackathon, Lomonosov Moscow State University: special award from LabVIEW**

Education

MIEM HSE (Moscow Institute of Electronics and Mathematics, Higher School of Economics) · 2008–2011
Computer-aided design (CAD) systems, Faculty of Information Technologies; 3 years completed, not graduated

Courses

Apr 2018 · Rhetoric, *Kant Baltic Federal University*
Mar 2018 · Theory of argumentation, *Kant Baltic Federal University*
Mar 2017 · Scientific thinking, *SKB Kontur*
Mar 2017 · Web technologies, *Mail.ru Group*
Mar 2017 · Functional programming in Haskell, *Computer Science Center*
Jan 2017 · Writing software requirements, *Mail.ru Group*
Dec 2016 · Basics of statistics, *Bioinformatics Institute*
Dec 2016 · Introduction to Linux, *Bioinformatics Institute*
Nov 2016 · Programming in Python
Oct 2016 · Investment banking from the inside, *European University at St Petersburg*
Oct 2016 · Web project security analysis
Jan 2016 · Learning How to Learn, *University of California, San Diego*
Jan 2016 · Wireless Communication Emerging Technologies, *Yonsei University (Coursera)*
Feb 2015 · LabVIEW Core 1, Core 2 and DAQ

Languages

Russian: native · **English**: B2