

Emil Sugaipov

Senior Product Engineer · Full-stack, TypeScript / React / Node



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Twelve years between engineering and product, mostly B2B in finance and regulation. Co-founded a compliance platform and took it from a two-person rebuild to 30 regulated clients across jurisdictions from Malta to the Cook Islands. Currently building verification tooling for agent-driven development: spec-first contracts, evidence-based acceptance, fresh-context review.

EXPERIENCE

Trustform — Co-founder & Product Engineer

2022–2026

Unified platform for regulated companies to understand, verify, onboard and monitor their clients: KYC, KYB, AML checks, risk engine, regulatory reporting. 30 clients across jurisdictions from Malta to the Cook Islands.

- Designed the architecture: one client graph underpinning corporate onboarding, due diligence and risk assessment; layered modules with enforced dependency direction
- Rebuilt the platform after the company split with a team of two: replaced a proprietary database wrapper and Bazel with Node.js and React, kept Go for graph computation, cut the features nobody could justify; first release by end of 2022, none of the cuts came back
- Built Reporting Hub end to end: natural-language reporting over an ontology of client data, covering regulator forms (FATCA, CRS) and ad-hoc queries; first version in two weeks, shipped to production
- Introduced AI-backed risk scoring through vendor integration while keeping rule configuration in-house, which brought false positives down
- Onboarded a multi-jurisdiction financial group as first client via a configurable rules model instead of per-entity code
- Hired and led engineering from zero to fifteen and designed the org structure; reworked analysis and delivery so throughput rose 1.5x without quality slipping
- Ran go-to-market with sales and marketing, turning client needs into the roadmap

Investors Europe — Founding Engineer

2019–2022

Regulated brokerage: execution, custody, fund management and depositary services.

- Designed the system architecture behind everything the firm ran online
- Built the Client Portal: onboarding, funding, positions and reports in one place
- Shipped the internal tools the team used daily: onboarding, document checks, compliance review, funding and reporting
- Built the public side: marketing site, regulatory pages, client documentation

Unity Platform — Founding Engineer

2016–2018

Multi-asset trading platform, 100K+ instruments across FX, equities, bonds, derivatives and crypto.

- System design and features across the suite: web terminal, onboarding module, internal tools
- Owned the UX for traders and operators: dense enough for professionals, clear enough for a first trade
- Shipped turnkey deployments for new clients, back-office and front-office
- Took part in building the white-label version a bank offered to its own clients

PROJECTS

Agent harness for spec-driven development

2026

Verification tooling for agent-driven development, as a reference implementation on a NestJS/React monorepo.

Task intake with EARS acceptance criteria and a verification mechanism per criterion, a deterministic evidence layer, an auditor subagent reviewing diffs in a fresh context, and blocking hooks on irreversible operations. Written up as a gate design with a self-test procedure.

SKILLS

Languages	TypeScript, Dart
AI and agents	Claude Code, Cursor, Codex · MCP servers · Spec-driven development, EARS · LLM-as-judge evals · RAG and structured outputs · LangChain, LangFuse
Frontend	React, React Native, Flutter
Backend	NestJS, Next.js, Edge Functions · Temporal.io, BullMQ
Data	PostgreSQL, MongoDB · Redis, pgvector · Prisma, Drizzle
Infrastructure	Docker, CI/CD · AWS, Vercel · Prometheus, Grafana
Testing	Playwright, Jest, Vitest
Product	Research and scrutiny · Customer journey · Rapid prototyping · Analytics · Interaction design
Leadership	Culture & Principles · Team processes · Mentorship · Recruitment
Languages	English — Professional · Russian — Native
Domains	Regulatory Technology · Client Onboarding · Corporate Graphs · Trading Platforms · Payments · Risk Engines · Complex Data Visualisation · High-load Systems

EDUCATION

Higher School of Economics — Management Information Systems

2010–2014

More details on <https://cv.anhile.com>