

IVAN NOVIKOV

SENIOR FULL-STACK SOFTWARE ENGINEER

10+ years shipping products in startups. **TypeScript · React / Next.js · Node.js**, with agentic AI at the centre of the workflow.

ENGLISH
C1

LOCATION
Poland · EU · remote

ENGAGEMENT
Full-time · contract · B2B

AVAILABILITY
40h / week · immediate

TRAVEL
Open · worldwide

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01 PROFILE

Full-stack engineer who takes products from zero to one and owns them end to end — product, frontend, backend, data, integrations. Now works **AI-native**: orchestrating coding agents across spec, build, test and review, while keeping architecture and correctness human-owned. Strongest on new problems that need original solutions.

- **Orchestrates coding agents** across spec, build, test and review (Claude Code, Codex, Copilot, MCP tooling) — shipping in days what used to take weeks, with eval-backed verification.
- **Ships LLM features to production** — hosted and self-hosted models, RAG over vector search, structured outputs, tool calling, guardrails and cost / latency tuning.
- **Delivered an FDA 510(k)-cleared spine-MRI AI product** as sole web engineer — in daily clinical use by radiologists in the US and EU; co-authored the peer-reviewed study behind its diagnostic model.
- **Built three flagship products** — the lead commercial offering at three companies, in medical imaging, location intelligence and gaming.
- **Led teams of up to seven** and took products zero-to-one with full ownership across product, frontend, backend, data and integrations.

02 EXPERIENCE

Remedy Logic Senior Full-Stack Engineer United States · Remote · 2020 — now

- Sole web engineer on a 20-person AI radiology team — owns every product surface in **React, TypeScript, Next.js and Node**.
- Built the radiologist co-pilot front-end: precise AI overlays on MRI imaging. **FDA 510(k)-cleared**, in daily clinical use.
- Built a **DICOM viewer** from scratch — scroll, sync, zoom, measurement and Canvas / WebGL overlays — plus an OHIF-viewer extension.
- Delivered the **teleradiology reporting workflow** used by radiology groups to read studies and sign preliminary reports.
- Built a **consumer second-opinion app** giving patients an independent AI read of their MRI in plain language.
- Built **tree-structured medical questionnaires** with the data and ML teams, and co-authored the peer-reviewed study behind the diagnostic model.
- Produced pitch decks, interactive data visualisations and product demos for conferences and investor meetings.

Placense Lead Software Engineer Israel · Remote · 2018 — 2020

- Built the **flagship location-intelligence product** — "Google Analytics for the physical world" — sold SaaS and embedded to property developers, investors and municipal planners.
- Owned the dashboard, its admin and business back-office end to end on **Next.js / React**, with role-based access and tenant configuration.
- Designed and built the **map and time-series visualisations** and a reusable **visualisation design system** — **Mapbox GL, deck.gl, Leaflet, D3, ECharts** and hand-rolled Canvas charts on a scrubbable timeline.
- Kept it fluid across millions of spatial points with tiling, clustering, virtualisation and caching.
- Built backend **aggregation and clustering** (MongoDB, BigQuery) and co-developed the **ML models** — grew it past MVP to a revenue-generating product.

- **Led a small team** and the studio's client web projects.
- Rescued a broken, unfinished **visual website generator** and brought it to a working release.
- Fixed client-onboarding and deployment issues in a client's telecom product.
- Helped build and ship a **full-fledged dating platform** to production.

Plarium Global Lead Frontend Engineer

Kharkiv · Ukraine · 2013 — 2018

- **Led a team of 7** — planning, estimation, architecture, code review and engineering management.
- Built an **isomorphic engine** (React, Node.js, SSR) for rapidly spinning up game web portals, and the corporate site on it.
- With the integration team, built an **in-game bank** connecting many payment providers over SSL APIs — a company sales channel.
- Created the full UI for an **internal corporate social network** and HR tool in React / Redux.
- Produced countless **game landing pages** with A/B tests, and a campaign builder for rapid deployment.

Freelance at oDesk · Web Developer

Remote · 2012 — 2013

- Built **landing pages** and **small business sites** — responsive, cross-browser markup with SEO and CMS integration.

03 TECHNICAL STACK

• AI & AGENTIC

LLM APIs (OpenAI, Anthropic, Gemini, Grok) · agentic coding (Claude Code, Copilot, Codex) · RAG · vector DBs (pgvector, Pinecone, Qdrant) · building MCP servers · agent orchestration · locally-run models (Llama, Mistral, Qwen, DeepSeek via Ollama / vLLM) · PyTorch.

• FRONTEND

React · Next.js · TypeScript · JavaScript · Redux (Toolkit, Thunk, Saga) · Tailwind · Sass · TanStack Query · Vite · Webpack · styled-components · Storybook · Framer Motion · Remix · React Native · Expo · Electron · accessibility (WCAG / ARIA) · Core Web Vitals.

• VISUALISATION & IMAGING

D3.js · Canvas · SVG · WebGL · Mapbox GL · Leaflet · deck.gl · Three.js · ECharts · MapLibre · PostGIS · Turf.js · Visx · medical imaging: DICOM standards · DICOMweb · PACS integration · HL7 / FHIR · Cornerstone.js · OHIF · multi-frame rendering · windowing / LUTs · pixel-accurate overlays.

• TESTING & QUALITY

Jest · Playwright (E2E, cross-browser, tracing) · Testing Library · Cypress · Vitest · visual & snapshot testing · MSW · component & contract tests · coverage · ESLint.

• BACKEND & APIS

Node.js · Express · REST · GraphQL · NestJS · Bash · JWT · OAuth2 / OIDC · microservices · OpenAPI · Fastify · serverless · RBAC · SSO · event-driven · tRPC · gRPC · Python (FastAPI, pandas, NumPy — reads and extends existing codebases, simple services and scripts).

• DATA & MESSAGING

PostgreSQL · Redis (cache, pub/sub, streams) · MongoDB · MySQL · Elasticsearch · Prisma · BigQuery · ClickHouse · Drizzle · message queues: Kafka, RabbitMQ — retries, idempotency.

• OBSERVABILITY

Structured logging (Pino, Winston, ELK / Loki) · error tracking (Sentry) · metrics (Prometheus, Grafana) · APM (Datadog) · distributed tracing (OpenTelemetry, Jaeger) · health checks & alerting.

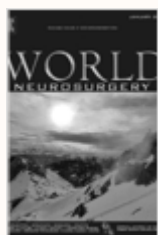
• CLOUD & DEVOPS

Docker · AWS · CI/CD (GitHub Actions, GitLab CI) · Kubernetes · Google Cloud · Nginx · Terraform · Vercel · Cloudflare Workers.

• SECURITY & COMPLIANCE

HIPAA · GDPR · PHI / PII handling · data anonymisation · audit logging · encryption · secrets management · OWASP Top 10 · regulated medical-device software (IEC 62304, FDA 510(k)).

04 PUBLICATIONS



World Neurosurgery

Vol. 181 · 2024 · pp. e953–e962 · Co-author — "An Artificial Intelligence-Based Support Tool for Lumbar Spinal Stenosis Diagnosis from Self-Reported History Questionnaire."

doi.org/10.1016/j.wneu.2023.11.020

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05 EDUCATION

BSc, Computer Science — V. N. Karazin Kharkiv National University, 2012.

06 COURSES

- Generative AI with LLMs — DeepLearning.AI
- AI in Healthcare — Stanford Online
- Big Data & Distributed Data Processing — UC San Diego
- Software Architecture & System Design — Coursera