

Serhii Romanov

Senior Full-Stack Developer · TypeScript / React / Node.js

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PROFILE

Full-stack developer with 6+ years shipping production web applications end to end. Currently a lead developer on **Control (cntrl.site)**, a browser-based freehand website builder, where I own the geometry engine, a custom SDK, and the payment and accounting layer. **Strong mathematical foundation** — an engineering degree behind daily work in computational geometry, linear algebra and coordinate-space transformations. Equally at home in React/TypeScript on the front and Node/NestJS with MongoDB and Redis behind it. I lead projects, mentor new hires, and care about clean architecture, correctness and measurable performance.

CORE SKILLS

Languages	TypeScript, JavaScript (ES2023+), HTML5, CSS3
Frontend	React, Next.js, Redux, Tailwind CSS, Canvas / SVG, Web Workers, Webpack
Backend	Node.js, NestJS, Express, REST APIs, MongoDB, Redis
Infra & Tools	Docker, AWS, Git, CI/CD, Claude Code (AI-assisted development)
Practices	Clean architecture, design patterns, state machines, SDK design, computational geometry, performance profiling, testing, code review, mentoring

EXPERIENCE

Control (cntrl.site) — Lead Developer 2022 — Present

Venture-backed freehand website builder, incubated inside Momdesign Studio

- One of the lead developers taking the product from prototype to a live, paying platform.
- Designed and built the **geometry engine**: shape manipulation, coordinate-space transformations, snapping, intersection detection and the other primitives that make freehand editing feel precise.
- Created a **custom SDK** so published sites render and run editor output independently of the editor itself.
- Owned MongoDB data modelling, payment and accounting flows, automated testing, and ongoing performance management.
- Structured the codebase on clean-architecture principles and applied design patterns to keep a fast-growing product maintainable.

Momdesign Studio — Full-Stack Developer & Project Lead 2021 — Present

- Lead front-end and back-end development on large, structurally complex client projects, owning architecture from data model through to UI.
- Delivered the **IBM X-Force Threat Intelligence Index**, the **Data & Trust Alliance** platform and work for the **Museum of Arts and Design** — data-heavy content structures paired with animation-led interfaces.
- Built an in-browser **augmented-reality** experience for the Burke Prize 2021 exhibition.
- Built accounting and payment integrations into client web applications.
- Trained, onboarded and supported new hires; set coding standards and review practice across the team.

Suprematism Studio — Frontend Engineer 2019 — 2021

- Built websites for studios and IT companies, focused on complex animation and pixel-accurate implementation.
- Translated detailed design work into responsive, cross-browser interfaces.

EDUCATION

Igor Sikorsky Kyiv Polytechnic Institute — Specialist Diploma, Avionics 2011 — 2013

Igor Sikorsky Kyiv Polytechnic Institute — Bachelor of Science, Avionics 2007 — 2011

LANGUAGES

Ukrainian — Native · English — C1 · Based in Vienna, Austria — open to on-site, hybrid and remote roles