

Sergei Edoardo Garcia Ortega

Software Engineer

Full-Stack & Front-End,
Design, Educator, Web
Performance & AI-Assisted
Delivery

Hello! 🙌

I'm a software engineer with 10+ years building user-facing web products and tools for engineers, strongest on the front end and comfortable across the stack. I bring a design and UX perspective to front-end architecture, performance, and product decisions. More recently, I've built AI-assisted development workflows with practical checks for quality, while mentoring engineers and creating training that helps others put new tools to work.

Contact

sergeigarcia.com

hello@sergeigarcia.com

Education

*Bachelor's Degree in Software
Development Engineering,*
TecMilenio University.

Skills

Front end:

- JavaScript
- TypeScript
- React/Vue/Lit/Ember/Astro
- Web Components
- HTML/CSS Modules/Tailwind

Fullstack:

- Next.js/Nuxt (SSR)
- GraphQL
- Node/Express
- SQL
- Python
- Docker
- AWS

Product and architecture:

- Front-end architecture
- UI/UX/Figma
- design systems
- accessibility
- web performance

Quality and delivery:

- AI-assisted development
- Claude Code/Codex/MCP/RAG
- Testing (Jest/Playwright)
- browser automation
- developer tooling
- mentorship

Past Recent Work

• Senior Software Engineer, Reddit (2023 - 2026)

- Owned Reddit's web experience for LLM translated user-generated content, helping people discover and read posts across languages behind the company's largest international growth spanning 40+ languages and millions of users.
- Redesigned translation indicators, language controls, and a compact view, and moved browser code server side for performance.
- Built the server side of new features in Reddit's in-house server-rendering framework: consumed GraphQL endpoints, request middleware, partial-page endpoints and server-to-client data flow, plus BigQuery SQL to measure results.
- Built editor and browser tools that made test setups easy to reproduce and share; onboarded front-end contractors, wrote guides for engineers and AI agents, and created AI training.
- Developed domain-aware AI code-review workflows, quality checks for cases where tests pass but the product is broken, and real-browser verification for AI-assisted changes, supported by a spec-driven approach to development.

• Freelance Software Engineer, Toptal, Part-Time (2023 - 2025)

- St. Jude Children's Research Hospital: as the only front-end engineer, built the new St. Jude Cloud website from scratch (Nuxt, Vue, Tailwind), with a design system from Figma, a custom JSON-driven CMS with a block-based page renderer, and accessibility and Lighthouse performance work. Also redesigned the site for Sprocket, St. Jude's open-source genomics workflow engine, overhauled its documentation with a themeable design system and light mode, and rebuilt the LearnGenomics.dev learning site.
- Northeastern University and AI startups: built React/TypeScript front ends for AI products (sentiment-analysis dashboards, a ChatGPT-powered assistant, an AI image generator, a product discovery platform) with Next.js, Astro and GraphQL, deployed on AWS S3 and Vercel.

• Lead Front End Engineer, Teaching.com (2021 - 2023)

- Led two Typing.com migrations (35M+ monthly users): the teacher portal and internal customer-service dashboard. Guided the work of a front-end developer and a designer/developer while rebuilding the platforms with React, Tailwind, and Headless UI alongside an existing PHP/Laravel backend. Turned a prolonged disagreement over the teacher portal's React architecture into an agreed direction. Established a PR process, issue triage, and a shared design-system component library.

• Full-Stack Mentor & Course Instructor, Thinkful, Part-Time (2017-2020)

- Mentored full-stack students one-on-one (MongoDB, Express, React, Node.js), helping them build stronger portfolios and prepare for technical interviews. Created and taught 10+ workshops rated 9.5/10 on average, with 100% student satisfaction as a mentor.

Past Older Work

Continued

- **Interview Engineer Expert, Karat, Part-Time (2021 - 2022)**
Conducted interviews that evaluated fundamental computer science skills, grading software craftsmanship, as well as specific technologies. Interviews were performed with a strict commitment to delivering a great candidate experience, offering guidance and encouragement to maximize candidate potential.
- **JavaScript Architect, Deviget (2020-2021)**
Led front-end development of a healthcare application built with Vue, Nuxt, Apollo, and GraphQL, and wrote its Node.js GraphQL resolvers. Shaped architecture decisions, removed delivery blockers, and mentored two front-end developers through code reviews and hands-on guidance.
- **Sr. Software Engineer, DigitalOnUs (2019-2020)**
Led full-stack development of the Intelius checkout flow using Vue, Nuxt, Apollo, GraphQL, Express, and Node.js, writing GraphQL resolvers that simplified complex data requests and improved the development experience. Started regular Vue and GraphQL workshops to help the team work confidently with the stack. Coached two junior engineers through monthly career-development conversations and goals.
- **Full-Stack Engineer, Luxoft Mexico (2017-2018)**
Worked across Expedia's booking and advertising products, improving the maintainability of a legacy booking flow with functional programming practices and building React/Redux and Node.js/Express features for a global ad-serving platform. Introduced Selenium and Puppeteer browser automation, reporting a 300% improvement in testing speed. For HomeAway, led development of a hospitality-wizard MVP using React, Apollo, and GraphQL with a Hapi.js/GraphQL server, learning GraphQL while delivering the project.
- **Front-End Bootcamp Instructor, Desafio Latam, Part-Time (2017)**
Taught the front-end modules of a full-stack web development bootcamp. Created the course syllabus and teaching materials, helping students build the foundations for their own web applications.
- **Front End Developer, Inflection Point Systems (2016-2017)**
Improved the company website and an educational platform, increasing rendering performance by more than 100% and reducing testing time by 80%. Updated the build and testing setup to make the applications easier to develop and maintain.
- **Junior Front End Developer, Accenture (2014-2016)**
Built a hybrid mobile application for an agriculture client using Ionic, Cordova, AngularJS, Couchbase, and ArcGIS, bringing farm-management workflows and precision-agriculture information into one experience. Took on performance, testing, and development-process improvements beyond the original junior remit, including a reported 3–5× improvement in rendering performance. Also built a responsive website for a U.S. healthcare client and delivered an iOS hospital demo with C# Xamarin Forms within four weeks.