Claudiu Sararu

Senior Full-Stack Engineer

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PROFILE

Senior Full-Stack Engineer with 15+ years of experience architecting, securing, and scaling high-performance web applications across e-commerce, video streaming, interactive dashboards, and distributed platforms. Fluently bridges the gap between robust backend systems and modern UI ecosystems (TypeScript, React, Vue 3, Astro, Nuxt), with deep expertise in optimizing the entire application lifecycle—from database queries and API design to client-side rendering, code-splitting, and real-time data streaming.

LANGUAGES

Engleză
Full Professional

Franceză
Elementary

Română
Native or Bilingual

WORK EXPERIENCE

Associated Web Works
Senior FullStack Engineer
03/2024 – Present

- **Full-Stack Monorepo Architecture:** Lead engineering on a complex pnpm + Turborepo monorepo (~20 packages), driving end-to-end delivery of video streaming and e-commerce platforms, including Nuxt 3 superadmin portals, secure checkout widgets, and public SSR sites.
- **High-Traffic Scale & Performance:** Developed a media platform in Astro serving 800,000+ daily visits with a perfect 100/100 Lighthouse score, leveraging multi-layer caching (Edge, ISR-style static delivery) and Typesense for near-instant full-text search.
- **Edge Computing & Databases:** Deployed SPA, SSR, and microservices on Cloudflare Workers and Pages, utilizing Cloudflare D1 for relational data and ClickHouse for high-throughput analytics event ingestion.
- **End-to-End API Security:** Implemented robust OWASP-aligned security patterns across the stack, including strict CORS/CSP configurations, Zod schema input validations, Firebase Auth, and granular CASL role-based access control (RBAC).
- **Video Engineering & Custom Tooling:** Built a production-grade Video.js player library published as a globally distributed CDN npm package, featuring custom plugins for HLS quality switching, VAST ad injection, Chromecast/AirPlay, and watch-time telemetry.
- **Real-Time Data & Transactions:** Engineered embedded checkout widgets integrated with payment processors, utilizing secure WebSocket protocols for live cart synchronization between active video streams and authenticated user sessions.
- **Type Safety & UI Optimization:** Automated data contracts by auto-generating typed Axios clients from OpenAPI schemas; optimized data-heavy admin views using virtualized lists, custom re-render boundaries, and automated Vitest pipelines.

Vonnda
Senior Front-End Engineer
04/2019 – 03/2024

- **Headless Commerce Migration:** Led the frontend transition of legacy Magento 2 monoliths to modern decoupled architectures, using React, Vue.js, and specialized PWA storefront frameworks to improve page-load speed and checkout conversion rates.
- **Magento 2 Frontend Optimization:** Overhauled custom Magento 2 themes (XML layouts, RequireJS dependencies, Knockout.js components), eliminating render-blocking assets and optimizing critical rendering paths to achieve up to a 40% reduction in Time to Interactive (TTI).

- **Modular Component Systems:** Designed and maintained a reusable, accessible component library using Tailwind CSS and TypeScript, unifying UI/UX layouts across multiple enterprise e-commerce storefronts and brand portals.
- **State Management & Checkout Refactoring:** Re-architected complex, multi-step checkout flows and persistent shopping carts using modern state management (Pinia/Redux), integrating seamlessly with Magento's GraphQL and REST APIs.
- **Performance Engineering & Core Web Vitals:** Established automated performance budgets and monitoring pipelines, utilizing lazy-loading, responsive image sets, and advanced code-splitting strategies to ensure production sites consistently met high Core Web Vitals targets.
- **API & Third-Party Integrations:** Implemented front-end integration architectures for enterprise third-party services, including Algolia full-text search, personalized product recommendation engines, and secure payment processing endpoints.
- **Team Mentorship & Standards:** Mentored mid-level and junior developers on frontend best practices, led code reviews, and introduced modern bundling workflows (Vite, Webpack) to accelerate internal development cycles and build deployments.

Nordic Web Team
Senior Developer Team Lead
05/2018 – 08/2019 | Bucharest

- Leading and managing a team of senior software developers.
- Oversee day-to-day operations.
- Training and helping new members of the team.
- Assisting in critical support issues.
- Developing Magento 2 custom themes and modules.

Nordic Web Team
Magento Front End Developer
09/2015 – 05/2018 | Bucharest

- Implementing E-Commerce Solutions based on the open source system Magento.
- Implementation of custom themes for Magento 1&2 and development of Magento modules.

Associated Works
Associated Partner
11/2012 – 01/2016 | Bucharest
Custom development of Wordpress Themes and Plugins (PHP, MySQL, HTML, CSS, JS).

Kondiment Group GmbH
Senior Front End Developer
10/2014 – 08/2015

- Front end development.
- Custom Wordpress theme development.
- Mobile app development.

Inside Media Communication
Frontend Developer
08/2010 – 10/2014

SC. Cutezatorimediacontent SRL
Webdesigner
04/2010 – 08/2012
Editor web, Flash app developer, editor foto/video, CSS+HTML, Javascript.

S.C. BESTMEDIAPRESS S.R.L.
Operator PC, Copywriter, Administrator Site
08/2008 – 03/2010

EDUCATION

University
Universitatea Spiru Haret, Bucuresti
2011 – 2014 | Bucuresti

College
Colegiul National Alexandru Vlahuta, Rm Sarat
Rm Sarat

SKILLS

- TypeScript
- React
- Vue 3
- Astro
- Nuxt 3
- Tailwind CSS
- Node.js
- Pinia
- GraphQL / REST / OpenAPI
- WebSockets / SSE
- Cloudflare Workers
- Firebase
- PWA / Workbox
- Vitest
- Magento 2 (Certified)
- Performance optimization
- Web security (CORS, CSP)

PROJECTS & PRODUCTS

Indie iOS studio
Designer, developer, support inbox | 01/2026 – Present

- Eight apps in the App Store (Mossy, Brewmancer, Genau, Bearhug, Motificons, Bento, Penny, Fine.), SwiftUI and Expo, one-time purchases or subscriptions, no ad SDKs. I write the code, design the icons and answer the support email.
- Plume - Word of the Day: featured by Apple Editors as a Best New App, about 6,000 users, sold in 08/2026.
- Genau (German A1-B1 course, in Romanian, English and other languages): about 500 users in the first month and a half, growing by 10-15 a day.
- Bearhug: AI story generator on OpenAI behind a Cloudflare Worker that checks the subscription server-side, rate-limits per user and never sends the child's name.

Zumbo (zumbo.app)
Open source, GPL-3.0 | 2026 – Present

- macOS dictation that lives in the notch. The speech model runs on-device (Parakeet via FluidAudio), about 0.2s latency, nothing leaves the Mac. Swift and SwiftUI, Sparkle updates, Cloudflare Worker licensing, 21 vocabulary packs.

Sketchloft (sketchloft.app)
Solo product | 2026 – Present

- Sketch, plan or photo to photorealistic render for architects and designers. Multi-provider image generation (Gemini, OpenAI, fal) with a geometry lock that keeps the building the designer drew. React, Hono on Cloudflare Workers, D1, R2, Queues; 2,200+ automated tests.

Motificons (motificons.app)
Solo product | 08/2026 – Present

- Icon search across open-source sets with a style engine that normalizes them: web app (Astro on Cloudflare Workers, R2, D1, KV, 236 tests), macOS menu-bar app, and an MCP server with 9 tools for AI coding agents.

Guideway (guideway.dev)
Open-source library, MIT | 2026 – Present

- Product tours, coachmarks and spotlight onboarding for React Native, published on npm. Built after the incumbents broke on the New Architecture.

AeroLaunch (aerolaunch.app)
Solo product | 2025 – Present

- Pay-once shop of production-ready Astro and Tailwind themes plus a React visual builder. Themes featured on astro.build.

INTERESTS

- Hands-on Car Mechanics
- Cultivating a Vegetable Garden
- Nature Exploration