Vitalii Napastiuk

SENIOR FULL STACK ENGINEER | SOFTWARE ARCHITECTURE & AI

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Professional Summary

Senior Software Engineer with 6+ years of experience delivering end-to-end enterprise, SaaS and real-time applications, from API design to deployment and production support. Experienced with TypeScript, Node.js, React, Angular and Vue.js, alongside Kotlin and C#/.NET backend contributions. Built real-time systems, integrated AI workflows into production products and led five engineers, reducing delivery cycles by 25%.

Technical Skills

Backend: Node.js, Kotlin, C#/.NET, REST, WebSocket, SSO, PostgreSQL, MySQL, MongoDB, Realm

Frontend: TypeScript, JavaScript, React, Angular, Vue.js, HTML, CSS, RxJS, Signals, Lit, Web Components

AI & delivery: RAG, agentic workflows, structured LLM outputs, OpenAI, Playwright, Jasmine, Karma, Docker, Kubernetes, Azure, CI/CD, Git, WCAG 2.1 AA

Professional Experience

Minsait / Indra — INPS

Senior Frontend Engineer / AI Ambassador | May 2023 – Present

- Contributed to C#/.NET backend development alongside frontend delivery.
- Led five engineers delivering public-sector platforms serving millions of users; coordinated code reviews and mentoring, reducing delivery cycles by 25%.
- Architected and modernized Angular/TypeScript applications with reactive state and API integrations; achieved Lighthouse performance 95+ and accessibility 100 on audited pages.
- Maintained Sirio Angular and Lit/Web Component libraries adopted across 400+ projects, supporting WCAG 2.1 AA and cross-framework reuse.
- Led real-time video consultation features with Azure Communication Services and SignalR; Application Insights telemetry reduced diagnosis and resolution time by 75%.
- Drove AI-assisted engineering through training and reusable agent skills for coding, testing and modernization; reached 80% active adoption across three teams.

CSI Works — HeyVista.ai

Senior Product Engineer / Frontend Architect (concurrent contract) | 2026 – Sep 2026

- Contributed to Kotlin backend development for CSI Works products.
- Architected HeyVista.ai, an AI SaaS frontend integrating RAG assistants and agentic workflows; guided backend architecture and prototyped with OpenAI models.
- Designed structured JSON response contracts, local UI state and confirmation-driven actions across five business action categories and 20 documented scenarios; built generative UI with 10 interactive content types.
- Packaged framework-independent Web Components with Angular Elements, reducing integration effort by 90%.
- Delivered features across 15 Clover-integrated POS/SaaS products using React, Angular and TypeScript; improved accessibility to 95+, reduced load times by 30% and resolved 40+ defects.

Transtec Services — Brochesia

Senior Full Stack Developer | Sep 2020 – May 2023

- Designed REST and WebSocket APIs, SSO and database integrations; automated file transfers, reducing manual handling by 80%.
- Independently built a digital workflow platform with a graph editor, branching, loops, backend services and offline Android execution with Realm synchronization; reduced configuration time by 50%.
- Built Angular/React web apps, Node.js services and native Kotlin smart-glass apps supporting approximately 100 client organizations.
- Built WebRTC collaboration with OpenVidu and Kurento; reduced session initialization time by 40% and connection failures by 30%.
- Implemented C++/OpenCV SIFT visual anchoring with 90% object re-detection accuracy and real-time face obscuring; managed Dockerized media services, reducing downtime by 10%.
- Advanced to technical leadership within a year, mentoring three developers, interviewing 10+ candidates and coordinating frontend, backend and Android teams.

Languages

English and Italian — Professional | Ukrainian and Russian — Native