Vitalii Napastiuk

SENIOR SOFTWARE ENGINEER | FULL STACK · ANGULAR · TYPESCRIPT · ARCHITECTURE · AI

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PROFILE

Senior Software Engineer with 6+ years of experience building enterprise and public-sector platforms, SaaS products, and real-time systems across frontend, backend, and mobile. Led 5 engineers delivering applications used by millions daily and contributed to a shared UI library adopted across 400+ projects. Built full-stack products, computer vision and AR solutions, and AI-powered SaaS applications, with strengths in architecture, product delivery, and technical leadership.

TECHNICAL STRENGTHS

Frontend: React · Angular · Vue.js · TypeScript · JavaScript · RxJS · Signals · Responsive UI · Accessibility
AI & Agentic Systems: Agentic workflows · Generative UI · Structured LLM outputs · RAG · Adaptive planning · OpenAI integrations
Engineering: Asynchronous flows · Error handling · REST integrations · Code review · Playwright · Monitoring · CI/CD
Backend & Delivery: Node.js · REST APIs · Kotlin · PostgreSQL · MySQL · Docker · Kubernetes · Azure · Git

PROFESSIONAL EXPERIENCE

Minsait / Indra — INPS

Senior Frontend Engineer · AI Ambassador | May 2023 – Present
GovTech / Public Sector

• Led a team of 5 frontend engineers across multiple projects, coordinating development, code reviews, and mentoring. Reduced delivery cycle times by 25% through better task allocation and faster resolution of bottlenecks.

• Drive AI adoption by training developers and creating reusable AI agent skills for coding, testing, and legacy modernization, reaching 80% active adoption across 3 engineering teams.

•Built Angular applications serving millions daily. Optimized Core Web Vitals (LCP, INP, CLS), achieved Lighthouse performance scores of 95+ and accessibility scores of 100 on audited pages, and developed interfaces tested against WCAG 2.1 AA criteria.

• Contributed to Sirio, INPS's shared Angular and Lit/Web Component libraries, used across 400+ projects.

• Led frontend development of a real-time video consultation platform with Azure Communication Services and SignalR. Built screen sharing, background replacement, device management, Picture-in-Picture, and reconnection. Added Application Insights telemetry, reducing bug diagnosis and resolution time by 75%.

CSI Works

Senior Product Engineer / Frontend Architect (Contract) | 2026 – Present
AI SaaS / Retail Technology

• Architected the frontend of HeyVista.ai, an AI-powered SaaS platform combining RAG-based assistants with agentic workflows. Built a schema-driven generative UI supporting 10 interactive content types, letting AI compose task-specific interfaces with charts, tables, cards, and actionable controls.

• Designed an adaptive agentic UX architecture with structured JSON responses, local UI state, and confirmation-driven interactions. Defined 5 business action categories and 20 documented AI interaction scenarios across inventory, sales, pricing, and decision support.

• Architected a modular Angular component system with shared core functionality, using Angular Elements to package independent, composable AI-powered modules as framework-agnostic Web Components. Enabled website integration via HTML and JavaScript snippets, reducing integration effort by 90%.

• Developed features across 15 Clover-integrated POS and SaaS products with Angular, React, and TypeScript. Improved Lighthouse accessibility to 95+, cut page load times by 30% and user interactions by 20%, and resolved 40+ UI and integration bugs.

Transtec Services — Brochesia

Senior Full Stack Developer | September 2020 – May 2023
Industrial AR / Clinical Technology

• Developed an industrial AR remote-assistance platform spanning Angular/React web apps and native Kotlin smart-glass apps. Built organization, permissions, device, and licensing features supporting approximately 100 client organizations.

• Independently built a digital workflow platform end-to-end, including a graph-based editor with branching and loops, backend services, and native Android app. Reduced workflow configuration time by 50%; enabled offline execution with Realm and bidirectional synchronization.

• Built real-time WebRTC, OpenVidu, and Kurento collaboration, video streaming, session management, and authentication. Reduced session initialization time by 40% and connection failures by 30%.

• Built SIFT-based visual anchoring with OpenCV to retain AR annotations on tracked objects. Achieved 90% object re-detection accuracy after objects left and re-entered the view; implemented real-time face obscuring.

• Developed Node.js services, REST/WebSocket APIs, SSO and database integrations. Automated file transfers, reducing manual handling by 80%. Managed Dockerized media-processing services, reducing downtime by 10%.

• Advanced to technical leadership within approximately one year: code reviews, interviews with 10+ candidates, mentoring 3 developers, and coordination across frontend, backend, and Android teams.

LANGUAGES English / Italian — Professional | Ukrainian / Russian — Native