Oleh Vanin

Senior Full-Stack Engineer | Applied AI

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Summary

I'm a senior full-stack engineer with 9+ years of experience building products. I've owned architecture, delivery, and production operations, and shipped AI features that automate enterprise IT workflows. I use coding agents to build and verify software. I've led cross-functional teams and managed and mentored up to 10 engineers.

Experience

Adaptiq Poland (remote)
Senior Software Engineer Mar 2025 – Sep 2026
Client: ControlUp | *Senior Full-Stack / AI Engineer, Feb 2026 – Sep 2026*
Atlas team | AI Assistant for enterprise IT operations at a $100M+ ARR company.

- Replaced sequential Mastra approvals with a parallel workflow so IT admins could review multiple changes in one turn. Shipped approval-gated create, edit, and delete actions to selected customer organizations.
- Delivered full-stack changes with Claude Code and Codex, using ChatGPT for research and Figma MCP for design context; verified results manually and with browser automation, network traces, and Langfuse.
- Owned MCP architecture and built a shared transport and authentication core so other teams could add tools and schemas. Migrated servers from the assistant's local runtime to cloud deployments.
- Excluded unlicensed tools and adjusted assistant instructions to match each organization's entitlements.
- Implemented and validated Mastra Observational Memory as a pre-release replacement for context rotation.
- Kept assistant conversations available during navigation with a full-screen-to-sidebar fallback, designed jointly with the team and shipped through a staged rollout.

Client: Quicklizard | *Senior Full-Stack Developer, Mar 2025 – Jan 2026*

- Owned pricing dashboards, localization, authentication, and bulk overrides from scoping through feature-flagged rollout, monitoring, and production feedback.
- Built the Go backend and Next.js frontend for an Operations Dashboard with charts and operational metrics.
- Developed pricing activity and total exposure endpoints; implemented Redis token caching and sessions across the Go gateway and Next.js UI.
- Upgraded to Next.js 16 and Tailwind 4 and removed Nx to simplify development and CI; maintained dependency security through recurring upgrades.

Tso Chinese Austin, TX (remote)
Solution Architecture Consultant (ad hoc) 2025 – May 2026

- Documented and presented a phased database migration plan adopted by the team, covering progress across successive off-hours windows, cutover failure scenarios, and mitigations. Tso 3.0 subsequently went live in September 2026 on the architecture designed at S-PRO.

S-PRO Ukraine
Lead Software Engineer / Full-Stack Developer Aug 2018 – Feb 2025
Tso Chinese 3.0, *2022 – 2025* | Solution architecture and full-stack delivery

- Led Tso 3.0's technical direction and cross-functional team, setting priorities with the CTO and coordinating delivery with the PM while remaining hands-on.
- Designed a microservices architecture on Kubernetes with separate databases, messaging, and GraphQL gateways for independent scaling, service ownership, and zero-downtime deployments.
- Built isolated branch previews with test data so the CTO, QA, and PM could validate changes before merge; automated deployment and cleanup with GitHub Actions and Go.

Lead Software Engineer, *Apr 2020 – Sep 2023*

- Managed and mentored up to 10 frontend engineers across projects through development plans, one-on-ones, technical guidance, and delivery conflict resolution.
- Provided technical guidance across 17+ projects, ran TypeScript and backend workshops, and supported hiring, discovery, and technical estimates during presales.

Tso Chinese 2.0, *2021 – 2024* | Full-stack engineering and production support

- Developed and supported the ordering and kitchen platform as the business grew from two to five restaurants. Owned client communication, releases, monitoring, and production incident response.
- Migrated payment processing from Stripe to Cybersource, reducing processing costs.

Other client work

- **CoinMENA**: built the asynchronous frontend architecture for real-time verification and delivered the functionality required for regulatory certification by the deadline.
- **This Is Language**: owned the Node.js backend, including an AWS video-transcoding pipeline and a learning game with four-player rooms.

FreshCode IT Ukraine
Web Developer Aug 2017 – Aug 2018

- **Huddle**: contributed to the AngularJS-to-React migration and exposed PostgreSQL stored procedures as GraphQL APIs using PostGraphQL.
- **DataDocs:** built multi-user presence and resumable uploads, and optimized ag-Grid and pivot-table interactions.

Projects

Helium New Tab 2026

- Built and published an open-source Chromium new-tab extension with 37 interface languages, synchronized preferences, and keyboard-accessible customization.
- Resolved search shortcuts locally and used browser-cached favicons to avoid external lookup requests; shipped without analytics or runtime dependencies, with automated checks and installable releases.

Technical Skills

AI Engineering
MCP, Mastra, Vercel AI SDK, OpenAI API, Anthropic API, human-in-the-loop workflows

AI-Assisted Development
Claude Code, Codex, Figma MCP, Langfuse

Languages & Backend
TypeScript, Node.js, Go, NestJS, Hono, Fastify, Bun

Frontend
React, Next.js, Tailwind CSS

Architecture & Data
Microservices, GraphQL, PostgreSQL, MongoDB, Redis, Elasticsearch, RabbitMQ, Kafka

Cloud & Delivery
AWS, Kubernetes, Terraform, Vercel, GitHub Actions, OpenTelemetry, Grafana

Testing
Jest, Vitest, Playwright

Education

Zaporizhzhia Polytechnic National University Bachelor's degree
Computer Software Engineering 2018 – 2022

Languages

Ukrainian
Native

English
Fluent