David Veznik

Full-Stack Developer | veznidav@gmail.com | Link to my portfolio

Full-stack engineer with 10+ years of production experience across AI platforms, Web3/DeFi, and data-heavy enterprise frontends for finance and energy. Currently lead engineer at OpenServ, building agentic-AI infrastructure: a multi-agent orchestration platform, an LLM inference gateway, and a multi-chain token launchpad. Previously led frontend work for Nasdaq (exchange operations tooling) and delivered production software for Santander and Capture Energy. Core stack is TypeScript, React, and Node.js, with hands-on cloud and DevOps work on GCP and Azure, and a record of owning products from architecture to production.

The products I've built are showcased at this link.

Professional Summary

Lead Fullstack Engineer at OpenServ (2024 - 08/2026)

First engineering hire at OpenServ. Shaped the product, architecture, and engineering practices from the start, and worked directly with the CEO on all technical matters, from roadmap and hiring to infrastructure decisions. Took part in security and compliance work, including SOC 2 preparation.

Architected and developed a platform for building, hosting, and orchestrating collaborative AI agents. Agents decompose high-level goals into tasks and execute them with human-in-the-loop oversight, on a multi-provider LLM layer (Anthropic, OpenAI, Gemini) with MCP support.

Led development of a multi-chain token launchpad on Base and Solana, in tandem with a blockchain developer. One-click token launch with automated liquidity, vesting, and staking. Built the token-creation workflow, the wallet interactions on both chains, and real-time on-chain data indexing.

Helped develop OpenServ Reasoning, an OpenAI/Anthropic-compatible LLM inference gateway that improves the accuracy and cost of frontier models through prompt optimization and output validation, with prepaid metered billing.

Helped build the TypeScript SDK that gives third-party developers access to the platform's API and agent features.

Technologies used: TypeScript, Node.js, React, Zustand, Tanstack tools, Express, Fastify, MongoDB, PostgreSQL, Redis, Vercel AI SDK, MCP, GCP (Cloud Run, Kubernetes), Cloudflare, Fly.io, Stripe, wagmi, @solana/web3.js, Vite, Aerodrome/Meteora SDK, Sablier/Streamflow SDK.

2020-2024 - I worked as a freelancer.

Software Engineer at Capture Energy (2023 – 2024)

Development of CaptureCloud, a platform for monitoring and managing grid-scale battery energy storage. Live telemetry dashboards, geographic site exploration, equipment configuration, alarms and incidents, and market analytics, delivered as three role-specific portals for customers, asset operators, and support staff. Put together the architecture and tooling of the Nx monorepo.

Technologies used: Next.js, React, Node.js, TypeScript, Nx, IBM Carbon, Tailwind CSS, TanStack Query, Mapbox GL, Recharts, D3, NextAuth + Azure AD SSO, Azure App Insights, Storybook + Chromatic, Playwright.

Lead Frontend Engineer at Nasdaq (2020 – 2024)

Architected and led the frontend of an internal console that exchange operations staff use to query, and inspect order and trade activity across Nasdaq options and Nordic derivatives markets, including role-gated order-cancellation workflows. The defining challenge was big data in the UI: virtualized data grids and a hardened, abortable request layer keep very large result sets rendering quickly and consistently.

Technologies used: React, TypeScript, Node.js, Apollo Client, Redux, AWS services, Kubernetes, Keycloak, Grafana Faro.

Fullstack Engineer for E-Commerce Site (2023)

Created a high-performance online store built around what drives e-commerce results. Fast page loads, strong SEO, responsive shopping UX, and high-quality product imagery. Next.js with React Server Components, using hybrid static generation and server-side rendering per page. MySQL database.

Technologies used: Next.js, React, Node.js, TypeScript, Tailwind CSS, TanStack Query, MySQL.

React Developer at Santander (2022 - 2023)

Built a mobile-first, accessible, client-facing car-loan application deployed across four countries. A single configuration-driven codebase absorbs per-country and per-dealer differences (products, validation rules, branding) without bespoke UIs.

Technologies used: React, TypeScript, MobX, Zustand, Microsoft Azure.

Fullstack Engineer for Supertalent.io (2021)

Developed a job seeker platform with a pixel-perfect UI and real-time updates, utilizing a serverless architecture on Google Cloud.
Technologies used: React, TypeScript, Firebase, Firestore.

React Developer for Seba Bank (now Amina bank) (2020 - 2021)

Built the bank's customer-facing website with static generation for loading speed and SEO, and CMS-driven content management so the bank's team updates content without developer involvement.

Technologies used: React, GatsbyJS, Apollo Client, Netlify CMS.

Fullstack Engineer at Kinali (2017 - 2020)

Built manufacturing-operations software for Mycronic, a Swedish electronics-manufacturing technology company. A hybrid application delivering the same product on web and mobile, and a web application for tracking components on printed circuit boards (PCBs). React and Redux frontends with backend services in .NET Core and Node.js (GraphQL end to end via Apollo).

Technologies used: React, Redux, Styled Components, Apollo Client/Server, .NET Core, Node.js, Cypress.

IT Project Manager at Student Agency (2016 - 2017)

PHP Programmer at Czech American TV Herald (2014 - 2016)

PHP Programmer at McRAI (2014 - 2016)

Core Skills

Languages: TypeScript, Javascript, Solidity

Frontend: React, Next.js, Vite, TanStack tools, Zustand, Redux, MobX, Zod, Tailwind CSS, design systems (MUI, Carbon, Ant Design, Mantine, PrimeReact, shadcn), Storybook, Chromatic, Playwright, Cypress, Vitest, Jest, React Testing Library

Backend and Data: Node.js, Fastify, Express, Zod, socket.io, BullMQ, Redis, PostgreSQL, MongoDB, auth (Keycloak, Azure AD, better-auth, SIWE)

AI / LLM: Vercel AI SDK, LangChain, LangFuse, OpenAI API, Anthropic API, Gemini API, OpenRouter, MCP, prompt engineering, output validation pipelines

Web3: EVM, Solana, wagmi/viem/ethers, @solana/web3.js, SIWE and wallet-based auth, DEX/AMM integrations (Aerodrome, Meteora), vesting (Sablier, Streamflow), Helius RPC, CoinGecko API

Infra and Ops: Docker, GCP (Cloud Build, Cloud Run, Kubernetes), Azure (Entra ID, Key Vault, App Insights), Fly.io, E2B, Cloudflare, Turborepo/NX/pnpm workspaces, GitHub Actions, Sentry, Grafana Faro, Stripe

Education

Masaryk University Brno – Engineer's Degree in Business Informatics (2015 – 2017)
Czech Technical University in Prague – Bachelor's in Information Technology (2011 – 2015)