Václav Svoboda

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Full-stack software engineer.

Železná Ruda · Czechia

I've been developing software since 2015. My recent development work includes a browser-based 3D modeling app, a ticketing system, a real estate portal and an intranet. I also build my own applications and keep them running.

I work remotely and prefer to take on projects as an independent contractor. I work as part of a team and also lead projects independently, working directly with clients from specification to deployment.

Experience

Quality Group

06/2026 - 11/2026

I designed the architecture of a 3D modeling application for the construction industry, refactored its code and wrote test scenarios.

React · Three.js · Vitest · Playwright

BZUCO

07/2025 - 06/2026

For a ticket sales and admission control system, I integrated the GP Webpay payment gateway and added invoice reporting to Hungary's NAV system. I connected the ticketing system to Ecomail and SmartEmailing to sync contacts automatically. I introduced Apache Kafka and configured log forwarding to Logman.io.

Laravel · Vue · Python · Apache Kafka · Docker

MAFRA

07/2020 - 06/2025

As part of the engineering team, I developed and maintained Czechia's second-largest real estate portal. My work also included developing a large corporate intranet for employees in Czechia and abroad.

PHP · Nette

Ardat Systems

10/2015 - 06/2020

I developed software for engineering calculations in the energy sector. In collaboration with the University of West Bohemia in Pilsen, I also worked on a web application for tracking firefighting operations on a map in real time.

Java SE · C# · PHP

Technologies

Application development	PHP, Laravel, Nette, TypeScript, React, Vue, Angular, REST API
Data and operations	PostgreSQL, MySQL, Redis, Elasticsearch, Linux (Ubuntu), Docker, GitHub Actions, Cloudflare, Sentry
Testing	PHPUnit, PHPStan, Vitest, Playwright
Development with AI agents	I build tooling that configures Claude Code and Codex for each project and guides their work through independent code review. I design the architecture and test scenarios and review changes alongside the automated checks.

Personal projects

Live

Pack on the Trek packonthetrek.cz
I run this trilingual hiking guide on my own VPS. I test changes in staging before automated deployment through Coolify once GitHub Actions checks pass.

Preparing for launch

Invoicing for freelancers
An invoicing app that matches bank payments, tracks reminders and looks up customer details.

EatBy
A shared pantry and shopping list with meal photo analysis for tracking energy and nutrient intake.

In development

Post-adoption pet care
Care records for shelters, with a medical history that can be passed to the new owner at adoption.

Hiking navigation
Offline navigation for iPhone and Apple Watch, with route time estimates based on elevation and pace from past activities.

Knitting and crochet patterns
AI interprets a description or image. A custom engine checks feasibility and generates the pattern and a 3D preview.

Languages

Czech	Native
English	Full professional proficiency

Education

SPŠE Pilsen · High school diploma in Information Technology · 2014