Resume Alfons Zelicko

Senior Frontend Engineer | Engineering Lead | System Modernizer

> *I focus on greenfield development and the pragmatic modernization of long-lived systems. I help restore technical clarity, establish cohesive frontend architecture and UI, and enable teams to scale in a sustainable, low-disruption way.*

> *web:* **www.zelicko.dev**

PROFESSIONAL SUMMARY

Senior software engineer and technical leader with **18+ years of experience** building and evolving user-facing systems. I work best in environments that are either being built from scratch or need to be carefully modernized. My strength lies in identifying structural bottlenecks (technical and organizational), introducing shared standards, and helping teams evolve how they build software — pragmatically and incrementally.

ENGINEERING PATTERNS I BRING

- **Incremental modernization:** Improving legacy systems step by step without blocking delivery or forcing risky rewrites.
- **UI & frontend unification:** Establishing shared component libraries and visual language to reduce fragmentation and cognitive load.
- **Shared ownership & knowledge distribution:** Actively reducing bus factor through architectural boundaries, documentation, pairing, and explicit ownership.
- **Bottleneck identification:** Recognizing where tools, workflows, or unclear responsibilities slow teams down — and addressing root causes.
- **Process evolution that sticks:** Introducing changes that teams actually adopt, based on real constraints rather than theory.

CORE COMPETENCIES

Frontend Engineering

- TypeScript (5+ years), JavaScript (15+ years), React (6+ years)
- HTML5, CSS3, SCSS, Less (18+ years)
- Nx monorepos, shared component libraries
- Performance-sensitive UI and animation systems

Backend & Architecture

- Node.js (5+ years), Java / Spring Boot (4+ years), Python (1+ year)
- Clean Architecture, DDD, Long-lived system design
- Legacy evolution and modernization strategies

Leadership & Collaboration

- Technical leadership in teams of **5–8 engineers**
- Architectural standards and cross-team alignment
- Mentoring, onboarding, and knowledge sharing
- CI/CD, DevOps, and delivery process improvement

PROFESSIONAL EXPERIENCE

Sabbatical & AI Exploration | 2024 – Present

- Exploring AI-assisted development workflows and LLM orchestration.
- Building automation tools with Python, Django, and htmx.
- Experimenting with protocol-driven and UI-light interaction models.
- Improved personal development throughput by ~**20–40%**.

ChyronHego | Senior Frontend Engineer | 2021 – 2024

- Joined during early growth (~18 engineers) and contributed to frontend practices that scaled to ~**120 engineers**.
- Participated in defining and evolving a **company-wide React-based frontend framework**.
- Helped establish a shared component library with clear **versioning and upgrade strategy**.
- Enabled multiple products to evolve in sync instead of fragmenting during rapid organizational growth.
- Mentored and onboarded new engineers, reducing ramp-up time by ~**25%**.

Nuvia a.s. | Senior Software Engineer / Solution Architect | 2018 – 2021

- Contributed to a transition from **SVN to Git**, improving collaboration and code ownership.
- Helped introduce clear frontend/backend role boundaries, reducing cross-discipline friction.

- Identified workflow inefficiencies where backend engineers were blocked by UI concerns and helped redesign responsibilities.
- This significantly reduced development time, maintenance cost, and reliance on fragile UI hacks.
- Gradually automated deployment processes to reduce manual steps and operational risk.

Freelance / Digital Nomad Era | Full-Stack Engineer | 2012 – 2018

- Owned end-to-end delivery of client projects using everything from jQuery and Vanilla JS to early Angular/React.
- Acted as technical authority for clients and distributed teams.
- Designed remote-first workflows and deployment pipelines.
- Delivered systems still running in production after **10+ years**.

Red Hat | Software Engineer | 2010 – 2012

- Worked in large, distributed open-source teams.
- Debugged complex issues in the JBoss ecosystem.
- Developed strong discipline in collaboration, testing, and code review.

Stormware (Pohoda) | Software Engineer (Intern) | 2008 – 2009

- Collaborated on technical strategies and feature alignment with industry competitors.
- Developed and optimized front-end components within a complex ERP ecosystem (PHP, JS).
- Performed rigorous testing and debugging to ensure stability in production-ready modules.
- At the time, Stormware operated with a dynamic start-up culture, which allowed me to take on responsibilities far beyond a typical internship.

EDUCATION

- **FIT VUT Brno** — Applied Informatics
- **VSP Jihlava** — Informatics & Management
- **SUŠG Jihlava** — Graphic Design (Typography, UI/UX)
- **SPŠT Třebíč** — Electronic Computer Systems

PROFESSIONAL MINDSET & SOFT SKILLS

- **Product-Oriented Engineering:** High intuition for balancing technical complexity with real business value and project goals.

- **Maintenance & Scalability:** Focused on writing clean, self-documenting code and proactively eliminating technical debt based on past experience.

- **Tech Leadership:** Skilled in guiding technical discussions and providing high-impact feedback through constructive Peer Reviews.

- **Pragmatic Problem-Solving:** Efficiently tackling non-trivial bugs and performance bottlenecks with a focus on the most effective path.

- **Continuous Learning:** Driven to master new domains (e.g., Python/Svelte/OpenAI/...) to keep the tech stack modern and competitive.

LANGUAGES

- Czech — native
- English — fluent (daily professional use)
- German — able to speak/understand