

VÁCLAV ŠTROBL

SENIOR FULL-STACK ENGINEER

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PROFESSIONAL SUMMARY

Senior Full-Stack Engineer with 15+ years of experience building web applications, SaaS platforms, digital products and real-time 3D experiences. Strongest in frontend engineering, product development and platform architecture with Next.js, React and TypeScript, supported by backend experience across Node.js, APIs, authentication, payments, real-time communication, CI/CD and cloud deployment.

Combines technical delivery with product strategy, branding and UI/UX, enabling complete product development from initial concept through implementation, optimisation and production launch. Experienced in lead responsibilities, collaborative teams and end-to-end ownership of clearly scoped projects.

Open to Full-Stack, Frontend and Product Engineering roles, creative technology opportunities, and selected client projects.

CORE EXPERTISE

Web Engineering: Next.js, React, TypeScript, JavaScript, Node.js, HTML, CSS, Tailwind CSS

Backend & Platform: REST APIs, WebSockets, authentication, Firebase, Symfony integrations, Stripe integrations, caching, platform architecture

Real-Time 3D & Applications: Three.js, WebGL, WebXR, Unity, C#, AR/VR, 3D asset optimisation, Maya, Blender

Testing, DevOps & Cloud: Playwright, Cypress, E2E testing, Git, Git Flow, GitLab CI/CD, continuous deployment, Docker, Vercel, AWS, DigitalOcean

Product, Design & Media: Product strategy, branding, UI/UX, Figma, Photoshop, After Effects, Premiere Pro, 3D modelling, motion and video production

AI & Automation: Claude Code, Cursor, MCP, n8n, AI-assisted research, prototyping, development, visual production and workflow automation

Other Technologies: Swift, Java, Kotlin, Adobe Illustrator SDK, Vuforia, V-Ray

PROFESSIONAL EXPERIENCE

FOUNDER & SENIOR FULL-STACK ENGINEER | Strobl Experiences

2025-Present

- Lead end-to-end delivery of websites, digital products and interactive experiences, covering research, strategy, branding, UI/UX, technical architecture, development, deployment and continued iteration.
- Build production applications primarily with Next.js, React, TypeScript and Node.js, using Three.js and WebGL where interactive 3D creates meaningful product value.
- Work directly with founders, clients, designers and specialist partners while retaining responsibility for creative direction, technical implementation and production quality.
- Use AI-assisted workflows across research, prototyping, engineering, automation and visual production, with direct review and testing of final output.

LATEST PROJECTS

Asylon - Premium Turnkey Homes - End-to-end delivery covering positioning, branding, UI/UX, technical architecture, Next.js development, external 3D-tour integration, AI-assisted visual production, video editing and deployment.

Volcánica Adventures - Adventure Travel & Clothing - Concept, UI/UX and complete implementation of a bilingual Next.js platform, including responsive behaviour, localisation, content architecture and direct enquiry flows.

More work: strobl-experiences.com/en#projects

LEAD FULL-STACK DEVELOPER

2020-2025

Obalero - Online 3D Packaging SaaS Platform

- Led the full-stack development of an online SaaS platform connecting real-time 3D packaging configuration with design and production-rendering workflows.
- Turned the initial concept into a working architecture and prototype, then developed core parts of the Next.js and React application, Three.js editor, authentication, Stripe payments, caching, Firebase services, Symfony integrations, APIs and WebSocket communication.
- Built integrations involving Adobe Illustrator tooling, Maya automation, render-server communication and cloud rendering.
- Shaped technical direction and introduced structured delivery processes including stand-ups,, SCRUM, Git Flow and continuous deployment.

FULL-STACK LEAD DEVELOPER / TECHNOLOGY PARTNER

2017-2022

Massimo Filippi & Partner-Agency Collaborations

- Delivered websites, B2B applications, mobile products, AR/VR applications and interactive 3D experiences for clients or partners including Astellas, Budvar, Sanofi, Vinolok, Kacířův Kancelář and Siebert & Talaš.
- Worked across frontend development, backend integrations, UI implementation and technical delivery using JavaScript, TypeScript, React, Next.js and related web technologies.
- Developed mobile and AR/VR applications using Native languages (Java, Swift) and Unity (C#), including interaction systems, animation integration, testing, GitLab workflows and store deployment.
- Coordinated technical delivery while remaining directly involved in implementation, optimisation and problem-solving.

FULL-STACK DEVELOPER

2010-Present

RicomTech

- Developed commercial websites, CMS platforms, internal tools and custom digital products for RicomTech and its clients.
- Delivered projects for companies including Agile Consulting and PP Engineering Services.
- Worked across frontend development, backend integration, deployment and ongoing maintenance, translating business requirements into complete production solutions.

INDEPENDENT PROJECTS & FREELANCING

2010-Present

- Developed original software concepts, digital assistants, automation tools, games and reusable application systems across web, desktop and game-development technologies.
- Developed and released Zombie Raider of Ra using Unity and C#, covering programming, gameplay systems, UI, level design, asset optimisation and release preparation.
- Built early technical foundations through custom scripting, game-server administration and mod development beginning in 2008, before moving into commercial web and application development.

MARILON | Online presence for furniture company

2010-2017

- Managed the company's complete online presence from its launch, including website development, digital presentation, content and ongoing technical support.
- Supported the business as it evolved by maintaining the website, updating services and translating company needs into practical online solutions.