

PROFILE

Expert software engineer and frontend architect with 20+ years building accessible, high-performance web products. Founder of neno web GmbH, a senior-only boutique collective in Switzerland, working hands-on as consultant, architect, and team lead. Deep expertise across React, Angular, and Vue, with accessibility (WCAG) treated as a craft in every project rather than a checkbox. Lately I work intensively with AI-augmented engineering: spec- and test-driven development plus vertical slices (tracer bullets) that agents implement autonomously — planning and QA stay human-led. Member of the teams behind multiple Best of Swiss Web-winning projects, including three Master awards. Recent clients include SBB, MediData, PwC, and CSS.

RECOMMENDATION

"An outstanding expert, advisor, and mentor. His engagement ran to 15 months, far beyond the planned duration. I can highly recommend him." — Dr. Frank Navrade, Director Digital Factory, PwC Germany

SKILLS

Frontend Architecture: Design Systems, Component Libraries, Storybook, Micro-Frontends, Module Federation, Monorepos (Turborepo), Atomic Design

AI-augmented Engineering: Claude Code, Cursor, GitHub Copilot, custom AI agents & skills, spec- and test-driven development, vertical slices (tracer bullets), ADRs

Angular & Vue: Angular, RxJs, NgRx, Signals, Ionic, Vue.js, Nuxt

Languages & Backend: TypeScript, JavaScript (ES6+), Node.js, PHP, Symfony, Doctrine

Architecture & Leadership: Solution architecture, Domain-Driven Design, Clean Architecture, team leadership, mentoring, code reviews

React & Next.js: React, React Native, Next.js (Server Components, Server Actions, ISR, SSR, caching), Redux Toolkit, Zustand, Jotai

Accessibility (A11y): WCAG, accessibility audits, accessible component engineering, training & workshops

Performance & SEO: Core Web Vitals, Lighthouse, rendering & caching strategies, SEO compliance

APIs, Data & Testing: REST, GraphQL, tRPC, OpenAPI, PostgreSQL, Drizzle, Prisma; Vitest, Playwright, Jest, Cypress

EXPERIENCE

Expert Frontend Engineer — SBB (Swiss Federal Railways)

March 2026 – May 2026

Expert Frontend Engineer

SBB is modernizing its central editorial infrastructure: a Symfony CMS, a Next.js article editor, and a new in-house newsletter module. I contributed across all three while building out an AI-augmented engineering workflow. Fully remote.

- Feature development in the Next.js 16 / React 19 editor that SBB editors use daily, meeting strict performance and usability standards
- Architecting a new newsletter module (Symfony, Doctrine, Twig) to replace an external third-party tool, with per-recipient personalization and multi-language composition
- Authoring domain context, ADRs, and specs precise enough for AI agents to execute, keeping senior engineers in control of architecture and quality
- Advisory on rendering (ISR/SSR), caching, security, and accessibility; testing with Vitest and Playwright

Technologies: Next.js 16, React 19, TypeScript, Symfony, Doctrine, ISR, SSR, Accessibility (WCAG), Vitest, Playwright, Claude Code

Expert React Engineer & Consultant — MediData

December 2024 – July 2025

Senior Software Engineer & React Expert

As React expert in an enabling team, I designed and built a flexible DataGrid used across 10+ standalone customer portals for hospitals, insurers, practices, and patients, each integrated as a micro-frontend into a shell application.

- Built a portal-agnostic DataGrid that holds up across heterogeneous APIs and data models
- Established a Storybook component library plus development and testing guidelines for multiple teams
- Defined accessibility guidelines and ran the related training sessions

Technologies: React, TypeScript, Storybook, Micro-Frontends, Module Federation, Tailwind CSS, Vitest, Playwright, Accessibility (WCAG)

Solution Architect & Principal Engineer — Atelier Irmak

January 2024 – November 2024

Principal Software Engineer & Solution Architect

Led a small senior team to deliver a custom CRM end-to-end on a modern Next.js stack, covering customer relations, marketing, sales, billing, and product management.

- Owned the full system architecture and delivery
- Built on Next.js (Server Components, Server Actions) with Drizzle/Postgres and Clean Architecture principles, end-to-end type-safe
- Integrated AWS, Contentful, Clerk, Stripe, and Sentry across the stack

Technologies: Next.js, React, TypeScript, Drizzle, Postgres, Tailwind CSS, ShadCN, Vercel, Sentry, GraphQL

Expert Frontend Architect & Engineer — PwC Germany

August 2022 – December 2023

Expert Frontend Solution Architect & Engineer

Hands-on adviser, coach, and architect for PwC Germany's Digital Factory teams on state management, performance, best practices, and frontend architecture.

- Designed a React micro-frontend architecture using monorepo and module federation, and ran several workshops on it
- Built a lean Next.js eCommerce solution for trading environmental certificates, focused on security and end-to-end type safety
- Analyzed and refactored a complex Angular application, then delivered a best-practices workshop

Technologies: React, Next.js, Angular, TypeScript, Module Federation, Monorepo, Turborepo, tRPC, Storybook, Performance Optimization

Senior Frontend Engineer — CSS Insurance

April 2018 – June 2020

Senior Frontend Engineer

Three major projects, including the CSS website relaunch that won Best of Swiss Web Master 2021, with a styleguide, component library, and a strong focus on user guidance and accessibility.

- Built the styleguide, component library, and all components for the award-winning relaunch
- Developed a complex individual health-insurance premium calculator from scratch
- Contributed to the myCSS customer app: authentication, profiles, and document upload

Technologies: Angular, TypeScript, RxJs, NgRx, SCSS, Accessibility (WCAG), Cypress, Ionic

Selected earlier work — Coop AG, Unic, Vitra Design Museum

2012 – 2018

Senior Frontend Engineer / Developer

Frontend work at scale for leading Swiss brands, much of it award-winning.

- Microspot / Interdiscount (Coop AG): React eCommerce webshop with SSR and SEO focus — Best of Swiss Web Silver 2018
- Unic AG: SBB.com relaunch (Master 2012) and PKZ – TheLook (Silver 2012), plus the Swiss.com relaunch (Master 2015)
- Vitra Design Museum: two React SPAs — a collection guide and a mobile Schaudapot guide — with GraphQL and Relay

Technologies: React, Next.js, GraphQL, SSR, SEO, TypeScript, Vue.js, Nuxt

EDUCATION

1998	University of Bern	Bachelor of Political Sciences
1990	University of Freiburg	Bachelor of Art History