

Patrick Schaub

Software Architect & Full-Stack Engineer

✉ mail@schaub.systems 🌐 schaub.systems 🔗 linkedin.com/in/schaubpatrick
📍 Freiburg, Germany



PROFILE

Since 2016, I have worked as a freelance software architect, technical lead and full-stack engineer – remotely from Freiburg and on-site when useful. I build new web applications and modernize existing systems without interrupting operations – as an extra engineer on your team, as a technical lead or with full ownership of a defined project.

SELF-EMPLOYED since 2016	WORK MODE Remote & on-site	LANGUAGES German (native) English	CONTRACT Time & materials or fixed scope
-----------------------------	-------------------------------	---	--

FOCUS AREAS

- Technical Product Owner & software architect
- Software development in a rail safety context (EN 50716)
- Senior full-stack engineer (React, Vue.js, Angular, TypeScript, Kotlin, Node.js)
- Legacy modernization without interrupting operations
- Containers, CI/CD and delivery (Docker, Kubernetes, GitLab CI/CD)
- Code reviews, mentoring and architecture reviews

ENGAGEMENT TERMS

- Time-and-materials or fixed-scope contracts, depending on the task
- Focused projects or longer-term team support
- Engagements through recruitment agencies are possible

INDUSTRIES

Rail & mobility Industry & IoT E-commerce
Automotive Energy Media & entertainment

TECH STACK

Frontend

TypeScript · React · Vue.js · Angular ·
JavaScript · Tailwind CSS · SCSS

Backend

Node.js · NestJS · Kotlin · Quarkus ·
Java · PHP · Symfony · Laravel · Rust ·
Go

Data

PostgreSQL · MySQL · Redis · SQLite ·
TypeORM · Doctrine

Cloud & delivery

Docker · Kubernetes · AWS · Google
Cloud · GitLab CI/CD · GitHub Actions

Quality

Vitest · Jest · Cypress · Selenium · E2E
Testing

Ways of working

Scrum · Kanban · Product Ownership ·
Requirements Engineering · Mentoring

since 2023

Digitaler Befehl**Full-Stack Engineer** → **Technical Product Owner** · BVU / DB InfraGO

Progressive web app by DB InfraGO and BVU for transmitting written operating orders digitally in rail operations – run in Deutsche Bahn's cloud environment.

- Frontend and backend development with React, TypeScript, Kotlin and Quarkus
- As Technical Product Owner: architecture decisions, backlog refinement and sprint planning
- Mentoring and code reviews within the development team

Technologies: React · TypeScript · Kotlin · Quarkus · PostgreSQL · Docker

2021–2023

2 years

Web Tooling for Safety Sensors**Full-Stack Engineer** · SICK AG

Web-based configuration and diagnostic tools for industrial safety sensors and robotics – on a reusable foundation for several product and brand variants.

- Modeled configuration logic as explicit, testable state machines with XState
- Frontend in Angular, backend services in NestJS
- Data access through TypeORM and PostgreSQL

Technologies: Angular · NestJS · XState · TypeScript · PostgreSQL · Docker

2020

6 months

Headless Commerce for BELViNi**Frontend Engineer** · BELViNi / Oetker Digital

Vue Storefront as an independently deployable frontend for a Magento 2 shop – with API-based product, cart and checkout flows.

Technologies: Vue.js · Vue Storefront · Magento 2 · Cypress · Docker

12/2018–06/2020

1.5 years

Live Marketplace Frontend Migration**Frontend Engineer** · Chrono24

Incremental migration of the frontend from jQuery to Vue.js – while the international luxury watch marketplace kept running.

- Built new Vue.js components for existing page areas
- Migrated jQuery-based areas step by step – no big bang
- Coordination within and across several Scrum teams

Technologies: Vue.js · TypeScript · jQuery · SCSS · Webpack

since 2018

Print-on-Demand Operations Suite **Own product****Product Development & Operations** · Print-on-Demand Retailer

Three tools of my own for order processing, catalog maintenance and shipping logistics at a print-on-demand retailer – built and operated under my own responsibility.

Technologies: PHP · Symfony · Rust · Tauri · React · Go

2018

3 months

Magento Frontend for ARTDECO**Frontend Developer** · ARTDECO Beauty Group

Frontend implementation of core storefront areas within existing Magento 2 structures.

Technologies: Magento 2 · JavaScript · SASS · Gulp

2018

2 months

White-Label Tariff Calculator for Utilities**Frontend Engineer** · yay! digital

Multi-tenant white-label tariff calculator for electricity and gas, used by different energy providers.

Technologies: Vue.js · JavaScript · SASS

2018 2 months	<u>White-Label EV Management Platform</u> Full-Stack Developer · TEAG AG White-label management platform for electric vehicles, wall boxes and charging tariffs at the energy provider TEAG. Technologies: PHP · Symfony · Doctrine · Twig · MySQL
2017–2018 6 months	<u>Entertainment Portal with Payment & KYC</u> Senior Full-Stack Developer · psmtec Online entertainment portal with CMS, user management, payment integration and KYC workflows – containerized on AWS. Technologies: Vue.js · Laravel · Redis · MySQL · AWS · Kubernetes
2017 3 months	<u>eLearning Modules for International Brands</u> Frontend Developer · Sony, Lufthansa, Huawei & HUGO BOSS Interactive eLearning modules and campaign pages for project clients such as Sony, Lufthansa, Huawei and HUGO BOSS. Technologies: Vue.js · JavaScript · SASS · Webpack
2016–2017 1 year	<u>VW Car-Net Customer Portal</u> Frontend Engineer · Volkswagen AG Customer web portal for Volkswagen's Car-Net connected-car platform: vehicle status, remote control and service booking in the browser. • Further development of the Car-Net web portal on site in Wolfsburg • Automated Selenium tests for core portal flows • Work within internal Scrum processes Technologies: AngularJS · JavaScript · Java · REST APIs · Selenium
2016–2018 2 years	<u>Marketing Website for an Instagram Analytics SaaS</u> Frontend Developer · squarelovin Marketing website and landing pages for a Hamburg-based SaaS platform for Instagram analytics and visual commerce. Technologies: HTML5 · SCSS · JavaScript · Bootstrap · Gulp

EARLIER PROJECTS

2015–2016	B2B Media Platform for Press Agencies · kamera24 GmbH · Full-Stack Developer PHP · Symfony · Node.js · ffmpeg · Docker
2014–2015	Symfony Business Apps for Security Technology · Secutech UG · Full-Stack Developer PHP · Symfony · Doctrine · MySQL
2011–2013	IBM Lotus Notes/Domino Operations · S&W Group · System Administrator IBM Domino · Windows Server

OTHER ACTIVITIES

since 2015	Quality Assurance for AAA Entertainment Products · Keywords Studios · QA Engineer & Game Tester
------------	--

As of September 2026 · Detailed case studies: schaub.systems/en/freelancer/