

Sebastian Simon | JavaScript developer

Berlin

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 linkedin.com/in/SebastianSimon0

Address: Berlin

Date of birth: 1996

Professional experience as a software engineer

Code & Magic UG

Berlin

Software Engineer (mini-job)

February 2023 – May 2023

Setup of a Spring Boot environment and frontend engineering of a web service for price comparison of pharmaceuticals; templating with Thymeleaf. Onboarding of new developers and introduction to the underlying Java backend as well as version control with Fossil.

⇒ Java (OpenJDK 19), Spring Boot, Thymeleaf, Maven, Fossil

Kostümkollektiv e. V.

Berlin

Software Engineer (Freelance)

September 2018 – May 2023

Development of new features for a custom-built legacy software (CRM, administration and rental) of a big Berlin-based costume rental for film and theater.

⇒ Linux, PHP, Symfony, MySQL

Modernize and clean up the legacy code base. Upgrade PHP 5 to PHP 8.1. Introduce best practices and automate strict code quality checks. Set up Sentry to monitor errors in the backend and frontend.

⇒ MySQL, MariaDB, PostgreSQL, PHP, Composer, PHPStan, PHPUnit, Codeception, GitLab CI/CD, Sentry

Technische Universität Berlin

Berlin

Programming project "Cyber-Physical Systems"

April 2017 – July 2017

Development of a Web interface for automatic monitoring and care of a plant within a project seminar.

⇒ JavaScript, jQuery, Chart.js, CSS, HTML, REST, Node.js, Express.js

Certifications

Kubernetes course

Berlin

Benedict Roeser IT Consulting

May 2023

Cluster architecture, Docker images, image registries, multi-arch images, ImagePullPolicy, resource types, Kubernetes API, kubectl, Kubernetes Dashboard, deployment, configuration and scaling of a Spring Boot Application, Spring Cloud Kubernetes, logging, monitoring, actuator, live, readiness, and health checks, Helm templating basics.

Spring Boot course

Berlin

Benedict Roeser IT Consulting

March 2023

Spring Framework and Spring Boot, build tools like Maven, REST APIs, validation and exception handling, JDBC, Spring Data, JPA, Hibernate, h2 databases, basics of templating with Thymeleaf.

Other work experience

Private tutor

Ulm

Self-employed and via tutoring agency

2010 – 2015

All classes up to Abitur, for Mathematics, Physics, English, German.

Education

Technische Universität Berlin

BSc. Computer Science

Bachelor's thesis about the design of a Web-based management system of cryptographic identities for the DANE (DNS-based Authentication of Named Entities) protocol suite

Berlin

October 2015 – May 2023

Kepler-Gymnasium Ulm

Abitur

Ulm

2014

Languages

Native level: German, English

Experience

Programming languages: JavaScript (ECMAScript 2023+), TypeScript, PHP, Python

Programming environments: Web, Node.js: Server and automation, ES Modules, Userscripting with Greasemonkey

Web methodologies: Web scraping / crawling, REST APIs

Web technologies: HTML 5, CSS 3, Web Components, Canvas, Audio & Video, Web Workers, jQuery, Bootstrap, WAI-ARIA: Usability and Accessibility, Responsive Design

System administration: Linux (Arch Linux, Ubuntu), Bash shell scripting

Network technologies: Network analysis (wireshark, nmap)

Graphics software: Vector-based (Inkscape), raster-based (GIMP)

Tools: Bug tracker (Bugzilla), Linter (ESLint, ShellCheck), Version control (git, fossil), Debugging (Developer Tools)

Other: Regular expressions, Typesetting with \LaTeX , common IDEs (IntelliJ IDEA, PHPStorm)

Other interests

Interests: Mathematics and algorithmics, games and game development, music and music theory, choral singing