

# Sebastian Simon | JavaScript developer

Berlin

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**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

Berlin

*BSc. Computer Science*

October 2015 – May 2023

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

**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  $\text{\LaTeX}$ , common IDEs (IntelliJ IDEA, PHPStorm)

## Other interests

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