Sebastian Simon | JavaScript Developer

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Address: Genthiner Straße 30 B, 10785 Berlin

Place and date of birth: Ulm, Germany, 1996-02-16

Professional experience as a software engineer

Code & Magic UG	**Berlin**
Software Engineer (mini-job)	*February 2023 − April 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 − April 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.
⇒ Composer, PHPStan, PHPUnit, Codeception, GitLab CI/CD

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 **Ulm**
Abitur *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