

SEBASTIAN DE CASTELBERG

SOFTWARE ENGINEER

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PROFILE

Passionate and polyglot software engineer and pragmatic programmer with 15+ years of experience in full-stack development and infrastructure automation. Autodidact and problem solver. Loves Vim and Linux.

EDUCATION

Bachelor of Engineering in Computer Science

University of Applied Sciences Rapperswil
Rapperswil, Switzerland
2001 - 2005

Information technology apprenticeship

Hamilton Bonaduz AG
Bonaduz, Switzerland
1997 - 2001

SKILLS

PHP, Ruby, JavaScript, Node.js, Python, SQL, Bash, Java, Perl

Symfony, Ruby on Rails, API Platform, Express, Sinatra, PostgreSQL, MySQL, Redis, Linux

Codeception, PHPUnit, Capybara, Selenium WebDriver

HTML, Webpack, Twig, Haml, Sass, webflow
HTTP, REST, WebRTC, GraphQL, HTTP Live Streaming, OAuth2/OpenID, WebSockets, SIP
Docker, Docker Compose, Google Cloud Platform, Heroku, AWS, Kubernetes, OpenShift, Jenkins, Git, Shell, Vim, LaTeX

LANGUAGES

German, Romansh, English, French (basic)

EXPERIENCE

Software Engineer, Owner

LaceUp GmbH, Zürich 2020 - present

- Organized the COVID-19 compatible trail running stage race "Tour d'Uetli" on Zürich's local mountain Uetliberg.
- Implemented the Strava synchronization, the ranking generation, and a GraphQL API for athlete, effort, and ranking data.
- Scaled the application design to allow for white-label and fee-based tours.

Software Engineer, Owner

gorilla software GmbH, Zürich 2020 - present

- Swisscom Online Identification: Designed and implemented various product extensions to the Swisscom Online Identification product portfolio.

Software Engineer

Swisscom (Schweiz) AG, Zürich, Switzerland 2015 - 2020

- Lead the development of Online Identification that enables financial intermediaries to automate fully their online customer identification procedures.
- Consulted with the product management, security, and compliance teams to identify key requirements and decomposed feature sets for implementation and integration.
- Coordinated and supervised a distributed team of five software engineers.
- Lead the development of the digital donation platform letshelp.ch.
- Evaluated and integrated payment gateways to allow project owners to collect payments online on the principle of all or nothing.
- Set up and maintained automated acceptance test suites and CI/CD pipelines.

Software Engineer, Owner

gorilla software GmbH, Zürich, Switzerland 2011 - 2015

- Swisscom Crowdfunding platform: Designed and implemented a white-label crowdfunding platform.
- Rayneer: Designed and implemented a personalized music video streaming service. Implemented peripheral systems for playlist management, video transcoding, load management, and testing.
- Biom: Designed and implemented an online multiplayer strategy game.
- Fela: Designed and implemented an application framework for a train customer information system.
- ScreenConcept: Designed and implemented single-page apps and microsites for customers such as Roche, Michelin, Alfred Müller AG, Hieronymus Stationers AG.
- Coached software teams in Ruby and Ruby on Rails.

Software Engineer

terreActive AG, Aarau, Switzerland 2008 - 2011

- Maintained a infrastructure monitoring and log analysis software.
- Designed and developed a centralized user interface.
- Designed and developed a log analysis system and search engine.
- Introduced test-driven development. Set up and maintained a CI/CD infrastructure.

Java Developer

Ascom Schweiz AG, Hombrechtikon, Switzerland 2005 - 2007

- Designed and implemented a VoIP safety system for road and railway operators