SEBASTIAN DE CASTELBERG
SOFTWARE ENGINEER

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PROFILE

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

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, RSpec, 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

EXPERIENCE

Software Engineer, Owner
LaceUp GmbH, Zürich   2020–present

- Organized and conducted the trail running stage race "Tour d'Uetli" on Zürich's local mountain Üetliberg during the COVID-19 pandemic.
- Designed and implemented the Strava synchronization, the ranking generation, and the GraphQL API for athlete, effort, and ranking data (PHP, Symfony, API Platform).
- Designed and implemented multitenancy support to facilitate races organized by third parties such as Tour Heidiland and Tour Heidelberg.

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 (PHP, Symfony).
- 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 white-label crowdfunding platform and the digital donation platform letshelp.ch (Ruby on Rails, collaboration with wemakeit).
- Collaborated with external partners such as agencies and charities to assist with data collection, reporting and A/B test development.
- 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 (RSpec, Capybara, Codeception, Docker, Jenkins, OpenShift).

Software Engineer, Owner
gorilla software GmbH, Zürich, Switzerland   2011–2015

- Swisscom Crowdfunding platform: Designed and implemented a white-label Ruby on Rails crowdfunding platform.
- Rayneer: Designed and implemented a personalized music video streaming service. Implemented peripheral systems for playlist management, video transcoding, load management, and testing (Ruby, Sinatra, RSpec, Capybara, Redis, Ruby on Rails, Go).
- ScreenConcept: Designed and implemented E-Commerce solutions and microsites for customers such as Roche, Michelin, Alfred Müller AG, Hieronymus Stationers AG (Ruby on Rails, JavaScript, Spree).
- Birom: Designed and implemented an online multiplayer strategy game.
- Fela: Designed and implemented an application framework for a train customer information system.
- Coached software teams in Ruby and Ruby on Rails.

Software Engineer
terreActive AG, Aarau, Switzerland   2008–2011

- Maintained an infrastructure monitoring and log analysis software.
- Designed and developed a centralized user interface (Ruby on Rails).
- Designed and developed a log analysis system and search engine (Apache Hadoop, Apache Solr).

Java Developer
Ascom Schweiz AG, Hombrechtikon, Switzerland   2005 – 2007

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