

# 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  
October 2001 - January 2005

### Information technology apprenticeship

Hamilton Bonaduz AG  
Bonaduz, Switzerland  
July 1997 - July 2001

## SKILLS

PHP, Ruby, JavaScript, Python, SQL, Bash,  
Java, Perl

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

HTTP, REST, HLS, OAuth2/OpenID, SIP

HTML5, Webpack, Twig, Haml, Sass, WebRTC  
AWS, Docker, Kubernetes, OpenShift, Docker  
Compose, Jenkins, Git, Shell, Vim

**Languages** German, Romansh, English,  
French (basic)

## EXPERIENCE

### Software Engineer, Owner LaceUp GmbH, Zürich, March 2020 - present

- Organized the COVID-19 compatible trail running stage race “Tour d’Uetli” on Zürich’s local mountain Üetliberg.
- Implemented an API for athlete, effort and ranking data.
- Implemented the race effort synchronization and the ranking generation.
- Scaled the application design to allow for white-label and fee-based tours. (tour-muenchen.de, tour-heidiland.ch, Stripe payments).

### Software Engineer, Owner gorilla software GmbH, Zürich, March 2020 - present

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

### Software Engineer Swisscom (Schweiz) AG, Zürich, June 2015 - February 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, June 2011 - June 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.
- Birom: 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, May 2008 - February 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, March 2005 – March 2007

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