

# Stéphane Bisinger

Python ☆ Ruby on Rails ☆ WebPerf



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## Qualifications summary

- Extensive experience in many programming languages.
- Passionate about performance optimization and code quality.
- Hooked on Functional Programming.
- Open Source Enthusiast.
- Interests in Physics and Chess (although amateur at both).

## Technical Skills

- Programming Languages: Python Ruby Javascript C/C++ Elixir Elm ...and many others!
- Web Frameworks: Rails Angular React Phoenix
- Databases: PostgreSQL MySQL

## Education

Degree	Major	Institution	Graduation Year	GPA
Bachelor of Information Technology	Computer Science	Università di Bologna, Cesena (IT)	2010	98/110

## Professional Experience

- Senior Software Engineer, Siroop AG, Zürich, ZH, Switzerland (Feb. 2018 – Current)
  - Rewrote Lambdas to process category informations.
  - Refactored a Flask API to be able to switch between DynamoDB and Elasticsearch as source for data.
  - Wrote an alternative consumer for product data reading from RabbitMQ.
  - Took a leading role in the analysis, planning and implementation of the promotion concept.
  - Identified some of the major bottlenecks in a Django application and provided possible viable solutions.
  - Technologies got to work on: Python Node.js DynamoDB AWS Lambda Ramda.js Flask Django RabbitMQ Terraform
- Full Stack Software Developer, Renuo AG, Wallisellen, ZH, Switzerland (Nov. 2016 – Feb. 2018)
  - Worked on many customer projects using mainly Ruby on Rails and Angular.
  - Took the lead in the Systems Operations working group.
  - Talks and other training events for interns.
  - Transformed the Kinova website to a mobile-first approach.
  - Analysed the web performance of the main projects.
  - Technologies got to work on: Ruby on Rails Angular 2 Webpack React Phoenix
- Software Engineer, Vendini, Gualdo Tadino, Italy (Jul. 2015 – Sep. 2016)
  - Rewrote from scratch the old patron manager using AngularJS and a REST API.
  - Helped an intern, later hired by the company, to learn the tools and develop his potential as a software engineer.
  - Integrated seamlessly the Angular application in the legacy Zend application sharing authentication between the API and the legacy PHP application.
  - Worked using Agile methodologies following the SCRUM approach.
  - Technologies got to work on: AngularJS Zend Framework Laravel Docker JIRA with Agile

- **Software Engineer, Teamsystem Spa, Fabriano, Italy** (May. 2013 – Jun. 2015)
  - Introduced SOAP and REST/json webservices on the application through WSME, contributing patches to the OpenStack project when needed.
  - Resolved performance issues for a very big client. Being the first client of that size, for the first time the product was delivered with multiple instances all working on the same database and this put the whole infrastructure to the test. Spotting the bottlenecks and resolving the problems with the Python GIL were my best accomplishments.
  - Maintained existing Python code using a custom web framework. Refactoring and the introduction of some unit tests were the added value put on top of normal development work. Also setup a local Jenkins CI to run tests and verify the coverage.
  - Automated the software installation and some end-to-end tests through the watir-webdriver Ruby gem.
  - Technologies got to work on: `Python` `PostgreSQL` `WSME` `Ruby`
- **J2EE Developer, Netprophecy Ltd., London, UK** (Mar. 2012 – Jul. 2012)
  - Wrote a tool to manage an international leather goods expo. The project was developed with the ZK Framework using the MVVM pattern.
  - Evaluated the possibility of migrating Java applications to Rails through jRuby.
  - Technologies got to work on: `Java` `ZK` `jBoss`
- **C++ Intern, Istituto di Radioastronomia, Medicina (BO), Italy** (May. 2009 – Jun. 2010)
  - Worked as an intern and for my thesis on a software spectrogram.
  - Used the Intel IPP to transform time signals in their power spectrum.
  - Allowed the software to be extended with additional filters.
  - Extended the program to accept input through an UDP socket.
  - Added multithreading support to enhance performances.
  - Technologies got to work on: `C++` `Boost` `Intel IPP` `Autotools` `Python`

## ⚙ Other Personal Projects

- **Open Source contributions**
  - El Plan <https://github.com/renuo/elplan>
  - vim-test <https://github.com/janko-m/vim-test>
  - WSME project <https://pythonhosted.org/WSME/>
  - xhtml2pdf <https://github.com/xhtml2pdf/xhtml2pdf>
  - aMSN2 project <https://github.com/amsn/amsn2>
  - centerIM project <http://repo.or.cz/centerim.git>
- **Full Resume**
  - StackOverflow CV <https://stackoverflow.com/story/stebis>