

Davide Vernizzi

Full-stack engineer

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Date of birth: November 23rd, 1981

Full-stack engineer with 8+ years of experience in web applications, CRM and enterprise systems. Earlier, I took a Ph.D. in computer security and worked as post-doc on security of cloud computing. I can work with teams and deal with managers. I love debugging and teaching. Native language Italian, fluent in English and French.

Skills

Front end JavaScript, React/Flux, jQuery, HTML, CSS/Bootstrap

Back end PHP/Yii framework, Ruby on Rails, Node.js, MySQL, Java, Python

Dev ops AWS stack, Vagrant, Linux, Bash

Etc Git, TDD, BDD, Vim, LaTeX

Work experience

Senior software developer

since 2011

Ennova Srl, <http://www.ennova.it>

- Managed a team of 5 people for the design and implementation of an utility mobile and web application for an energy provider. The application integrates data from 5 different sources, has 6M+ contracts and 30M+ invoices. I personally wrote the most critical parts.
- Created an API that gets called 220K+ times per day with an average response time of 75 ms.
- Contributed to the digitalization of many business process for telephone companies, resulting in a dramatic increase of efficiency.
- Helped to the redesign of the CRM solution for a major telephone company. We reduced the number of multiple calls by 30% and their duration by aggregating together all the previous tools that the CRM agents used.
- Designed the cloud infrastructure used to provide services to clients. I currently am the reference for IT architecture evolution.
- Supervised new employees. Teach and enforce programming practices such as TDD, CI and CD.

Research assistant

2009 – 2011

Politecnico di Torino, Computer Security Group

- Coordinated Politecnico di Torino participation in 3 European research projects.
- Trained many students, ranging from undergrads to Ph.D. students.
- Co-managed a team of 4 researcher in the TClouds research project
- Contributed to the concept of Trusted Channel and developed it, basing on OpenSSL.

Consultant and teacher

since 2003

- Freelance consultant in many different projects, including security, cryptographic libraries, mobile and web applications.
- Co-wrote a cryptographic library which has been used for content protection.
- Worked as teaching assistant and trained-on-the-job for many companies.

Education

Ph.D. in Computer Science

15 April 2010

Politecnico di Torino

M.Sc. in Computer Engineering

5 May 2006

Politecnico di Torino

M.Sc. in Computer Engineering

5 May 2006

École Nationale Supérieure d'Informatique et des Mathématiques Appliquées de Grenoble