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 and keep up to date the cloud infrastructure used to provide services to clients.
- 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