



# Paolo Insogna

Lead Full-Stack Software Engineer

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## Current position

### @ Lead Full-Stack Software Engineer

**Cision** (San Mateo, CA, USA), **present** (from **April 2015**)

#### Description

Lead Full-Stack Software Engineer

#### Performed activities

- Creation of a REST API to publish contents on multiple social networks, using Ruby on Rails.
- Creation of a REST API and Analytics backend system analyze user feedbacks on multiple social networks, using Node.js.
- Creation of a REST API based high capacity time-based storage system, using Node.js.
- Development of the frontend of the product, using AngularJS.
- Management of a microservices architecture of multiple purposes systems on AWS.

## Experience

### @ Lead Full-Stack Software Engineer

**Viralheat (acquired by Cision)** (San Mateo, CA, USA), from **April 2012** to **April 2015**

#### Description

Lead Full-Stack Software Engineer

#### Performed activities

- Graphic design, UX and development of the product frontend, using Ruby on Rails.
- Development of the low latency streaming service (via WebSocket or REST API) of social networks mentions, using Ruby on Rails.
- Design of the interchange data format for different components of the system.
- Migration of the system to a Docker based microservice architecture.

### @ Senior Full-Stack Software Engineer

**Freelance** (Campobasso, Italy), **present** (from **January 2003**)

#### Description

Software and web consultant focused on developing Web 2.0 or software based on open source solutions.

## @ Senior Web Engineer

**CowTech** (Campobasso, Italy), from **August 2009** to **January 2012**

### Description

Development of a big management system for e-commerce.

### Performed activities

- Complete analysis of software.
- Choose of the platform: Ruby On Rails and MongoDB over nginx+passenger on Linux.
- Development of every aspect (frontend, backend, database) of the portal.
- Integration of Facebook and Twitter for customer notifications.
- Development of the HTML 5 and CSS 3 frontend based on Twitter Bootstrap, jQuery and many AJAX.
- Testing and deployment of the site on the final location via GIT CVS.

## @ Senior Web Engineer

**Gestionale Veicoli** (Campobasso, Italy), from **August 2010** to **March 2011**

### Description

Development of web portal [www.gestionaleveicoli.com](http://www.gestionaleveicoli.com).

### Performed activities

- Analysis of the system.
- Choose of the platform: Ruby On Rails and MySQL over nginx+passenger on Linux.
- Development of every aspect (frontend, backend, database) of the portal.
- Integration of many existing webportal via their API.
- Integration of an existing HTML 5 and CSS 3 theme (Constellation).
- Testing and deployment of the site on the final location via GIT CVS.

## @ Senior Web Engineer

**Molinaro Group** (Campobasso, Italy), from **March 2010** to **March 2010**

### Description

Development of the car listing of the website.

### Performed activities

- Development of a PHP system to import cars from an Access database.

## @ Senior Web Designer

**Toner Italia srl** (Campobasso, Italy), from **November 2009** to **January 2010**

### Description

Restyling of the website [www.toneritalia.net](http://www.toneritalia.net).

### Performed activities

- Installation of the Wordpress blogging system on the server.
- Development of the website based on HTML 5 and CSS 3.

## @ Web Engineer

Tecnotel s.r.l. (Campobasso, Italy), from **January 2008** to **April 2008**

### Description

Development of web portal [www.e-motors.it](http://www.e-motors.it), now dismissed, on Linux platform with the Prado framework (PHP).

### Performed activities

- Choose of the technology to use for the portal: Prado (PHP based MVC) on LAMP platform.
- Development of both frontend and backend for the portal and deployment to the final server.

## @ Web Engineer and System Administrator

Tecnotel s.r.l. (Campobasso, Italy), from **March 2005** to **June 2005**

### Description

Setup of a LAN network with internal mail server on Linux platform, development of the company's web portal.

### Performed activities

- Installation of a Gentoo Linux based server with Apache 2, Courier IMAP server and Postfix SMTP server.
- Installation of a firewall based on Firehol and a local LAN network.
- Development of a small static website using HTML 4.0 and CSS 2.1.

## @ Web Engineer

Tecnotel s.r.l. (Campobasso, Italy), from **June 2003** to **June 2003**

### Description

Development of an e-commerce solution for an Italian food company.

### Performed activities

- Development of the website of the company, now dismissed, using ASP 2.0, HTML 4.0 and CSS 2.1.
- Development of the main javascript application (just raw Javascript) required for the shipping rate calculation (which had a complex strategy and many international rules).

## Skills

### # Web applications

- Expert of Node.js.
- Expert of Ruby on Rails.
- Expert of HTML 5, CSS 3, REST, JSON and jQuery.
- Very good knowledge of React and Ember.JS.
- Very good knowledge of installation and management of nginx.
- Very good knowledge of PHP, Wordpress and the LAMP stack.
- Medium knowledge of ASP, ASP.NET, JSP and Java Servlet.
- Low knowledge of Angular.JS.

## # Data handling

- › Very good knowledge of Cassandra, Redis, MongoDB, MySQL, PostgreSQL and SQLite.
- › Minimum knowledge of Memcache and Microsoft Access.

## # Version control

- › High knowledge of Git.
- › Medium knowledge of CVS, Subversion, Bazaar.

## # Languages

- › Very good knowledge of Ruby, Javascript, C, C++, Python.
- › Good knowledge of Swift, Java, C#, Objective-C, Shell (fish, bash, zsh).
- › Very good knowledge of toolkits GTK+ and Qt.
- › Good knowledge of toolkit Cocoa.

## # Network and security

- › High knowledge of Google Cloud and AWS-
- › High knowledge of LAN over Ethernet and their setup.
- › Medium knowledge of TCP/IP architecture.
- › Medium knowledge of firewall (iptables) and router.

## # Operating system

- › Expert of Docker and Docker Compose.
- › Expert in GNU/Linux (many distributions, mainly Ubuntu, ArchLinux, Gentoo).
- › Very good knowledge of Mac OS X.
- › Medium knowledge of Docker Swarm.
- › Medium knowledge of Windows.

## # Office Automation

- › Good knowledge of LaTeX.
- › Medium knowledge of iWork, Google Documents, OpenOffice.org and Microsoft Office.
- › Basic use of word-processing and spreadsheet software.

# Education

## **Computer Engineer**

Order of Engineers of Campobasso's Province, field of Information Engineering (Campobasso, Italy), present (from May 2011)

**Grade** Qualified

### **Description**

Signed to section A of field of Information

## **Master's degree, Computer Engineering**

Università di Roma Tor Vergata (Rome, Italy), from September 2006 to July 2009

**Grade** 103/110

### **Description**

Thesis in Operating System named "Scheduling Policy Verification Through a RTSim Extension"

### **Studied subjects**

Manufacturing Automation, Digital Signal Processing, Operation Research, Artificial Intelligences, Theoretical Computer Science, Models of Management and Retrieval, Elemental Theory of Numbers, Computer Security, Web Engineering, Advanced Linux, Industrial Computing, Software Engineering 2, Experimental Computer, Modelling of Plants and Systems 2, Metrics and Models of the Internet, Information Systems, Mobile computing.

## **Bachelor's degree, Computer Engineering**

Università di Roma Tor Vergata (Rome, Italy), from September 2003 to November 2006

**Grade** 99/110

### **Description**

Thesis in Operating System named "Porting of an Asymmetric Multiprocessor Kernel on Linux 2.6"

### **Studied subjects**

Mathematical Analysis, Statistics, Elements of Algebra and Logic, Physics, Foundations of Computer Science 1 & 2, Engineering Applied Economics, Algorithms and Data Structures, Object Oriented Programming, Electrical, Fundamentals of Electronics, Digital Electronics, Signals Transmission, Dynamical Systems, Automatic Controls, Advanced Computers Architectures, Foundation of Theoretical Computer Science, Databases, Software Engineering, Operating Systems, Telecommunications and Computer Networks.

## **Maturità Scientifica (High School)**

Liceo Scientifico "A.Romita" (Campobasso, Italy), from September 1998 to June 2003

**Grade** 95/100

### **Studied subjects**

Italian, English, Mathematics, Physics, Biology, Chemistry, History, Philosophy, Latin.

## Social networks

 **p.insogna** on Skype

 **@p\_insogna** on Twitter

 **ShogunPanda** on GitHub

 **Paolo Insogna** on LinkedIn

 **Paolo Insogna** on Facebook

 **ShogunPanda** on StackOverflow

## Other skills

### Languages

› **Italian:** Native language.

› **English:** Very good.

### Driving licenses

› Car driving license (California, USA).

› Car driving license cat. B (Italy, Europe).

### Personal interests

› Manga & Anime.

› Videogames, especially adventures.

› RPG and Live RPG.

› Sports, especially soccer.