Claudio Santini, 27
Software Engineer (Contractor)

B.Sc. Computer Science, University of Pisa
Programming since 12, very passionate

My old technical blog	vuotomeccanico@gmail.com	mobile: **07415555362**

Job Experience

- **Thomson Reuters 2014 - 2015 (Contract)**
  AngularJS UI, Data visualization. NodeJS backend with ElasticSearch.

- **Mind Candy, London 2013 (Contract)**
  NodeJS (Javascript and Coffeescript) Websocket multi-player game server from scratch.

- **Zeebox, London 2011-2012**
  Early joiner of the company, wore many hats building the AWS cloud infrastructure.

  - Asynchronous scalable chat server for browsers, Android and iOS. Tested with tens of thousands concurrent users. Stack: NodeJS, socket.io (secure websockets / long pooling) and Redis (persistence and pubsub).

  - A bit of Natural Language Processing: A Scala server that gets a stream of subtitles text from all TV channels and generates relevant tags in real time. The tag Disambiguator is a naïve Bayesian classifier that uses the DBpedia links/abstracts database.

  - Monitoring/Alert system mostly written in Python: feeding data to a graphing server (Graphite) and monitoring failures given service metrics constraints.

  - Worked on the HTML5 / CSS3 Single Page web app (Backbone JS framework).

- **AV System, Florence 2008 – 2009**
  Mostly as Java/PHP developer and MySQL admin.

Open Source Projects

- **Htmlmatch:** a Python tool to automate the extraction of clean data/metadata from HTML pages (Pattern matching over the DOM tree).

- **Pastello:** a game based on 2D physics written in JavaFX.

Personal Web Projects

- **hackurls.com :** a news aggregator for hackers written in Python, with Django and JQuery.

Technical Skills

I have a good theoretical and generic algorithmic/numeric background. I'm usually enthusiast of all new technologies, but I have professional experience with:

- Scala, Java, Python, Javascript (browser and server side), HTML5 / CSS3.

- Web development preferred tools: Django (South, facebook-connect, etc.) or NodeJS. On the client side, I used quite a lot Google Widget Toolkit, Backbone and AngularJS.

- Databases: I worked extensively with Redis, Amazon DynamoDB, and MySQL.

- System Admin skills: daily use Linux since 12. I manage some personal web servers: typically I use Ubuntu with Cherokee web server and memcached.

- I also did some academic work in High Performance Distributed Computing for the third year thesis: I developed a Java 6 framework for Skeleton Programming and autonomic declarative management of Load Balancing tested on the University of Pisa network. Relator: M.Danelutto.