

# RAIMON GRAU

Teuleria 31◇ La Granada del Penedes  
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## EDUCATION

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**Facultat Informatica de Barcelona (UPC), Barcelona**

*January 2010*

B.S. in Computer Science

Final thesis on Evolutionary algorithms graded with Honours (just the thesis)

## LANGUAGES

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Spanish - native

Catalan - native

English - high

## EXPERIENCE

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**3scale, Inc**

July 2011 - Present

*Web Developer, Backend Developer*

*Barcelona, Spain*

- Working on a Ruby on Rails application to manage API authentication and rate limitings.
- Develop a code generator to create Nginx Lua configurations from some rules introduced by the users. Also run nginx on cloud to host these configurations.
- Work in an Nginx+Lua solution to cache calls to external apis to reduce the outbound traffic and be able to not get hit by rate limits. Highly concurrent calls and heavy redis usage.
- Work in apitools.com project from the beginning until current state. Nginx platform + docker to allow users to proxy all the outbound traffic through apitools and monitor and code middleware to modify the API calls. Did a talk on that in ApiDays Barcelona 2014.

**Gnuine**

December 2010 - July 2011

*Web Developer*

*Barcelona, Spain*

- First contact with web development, Ruby, and Rails. Working in different Ruby on Rails projects. First serious testing and Git usage.

**Intelligent Pharma**

July 2008 - December 2010

*Developer*

*Barcelona, Spain*

- Developing Artificial intelligence software for drug discovery.
- Evolutionary algorithms and Genetic programming.
- Development in Perl, C++ and using unix everywhere. First usage of Mercurial.
- coarse grained paralelization of jobs running in supercomputers (MareNostrum)

**AMES S.A.**

September 2007 - 2003

*Developer*

*Barcelona, Spain*

- Developing internal applications in Dataflex, Crystal Reports, and Perl.
- Developing industrial apps to manage machinery by reading barcodes.

## SKILLS

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Computer Languages: Ruby, Perl, Lua, Lisp, Assembler, C. I'm a programming language fanatic so I've dabbled with lots of others (either at university or for fun): Python, Prolog, C++, Java, Scheme, Clojure, Smalltalk, CL, Dylan, Io, Factor, Forth, Shen, Erlang, Elixir, Haskell, Oz, and written some very basic lisp interpreters (see github).

Protocols & APIs: HTTP, JSON, REST Databases & MySQL, Redis, MongoDB. I tried lots of others from Tarantool to influxdb or mnesia.

Tools: Zsh, screen, Vim (heavy user for 5 years, written some plugins), Emacs (heavy user for 4 years, written some plugins and have code in the dist), git.

good communication skills.

I used to reverse engineer software (1997-2000). Most of it is outdated now, but my approach to things stayed.

## CONFERENCES

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I love to attend conferences (preferably not very crowded/mainstream ones).

Polyconf 2014. (Postdam, Poland)

ApiDays Barcelona 2014. As a Speaker

ApiStrat EUrope 2014. As staff. (Amsterdam)

Lua Workshop 2103 (Toulouse, France)

European Lisp Symposium 2013 (Madrid, Spain)

Fosdem 2013 (Brussels, Belgium)

YAPC:EU (perl) 2009. (Lisbon, Portugal)

PRACE Supercomputing 2009 (Barcelona, Spain)

## PET PROJECTS AND FREE SOFTWARE

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I'm a convinced user and supporter of Free software, and I have several projects opensourced in github (<http://www.github.com/kidd>), and I've contributed also in several others. Also I've been involved in several open source communities. Some examples:

Barcelona Perl Mongers

Vimperator ( <http://vimperator-labs.googlecode.com/hg/vimperator/AUTHORS> )

Emacs

Vectorlinux. I developed a few apps to help packaging apps for vectorlinux and maintaining the repos. Also a migration tool for old versions.

GNU Guix. Packaged a few apps and wrote tutorial.