RAIMON GRAU

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EDUCATION

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

Spanish - native
Catalan - native
English - high

EXPERIENCE

3scale, Inc - http://www.3scale.net/   July 2011 - Present
Web Developer, Backend Developer, Team Lead   *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 rules introduced by the users. Also run nginx on cloud to host these configurations. Developed with Ruby, Lua, Nginx and Redis.
· 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 (500rps). Highly concurrent calls and heavy redis usage. Lua, Nginx and Redis.
· Work in apitools.com (http://www.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. Basic usage of Docker.

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 - http://intelligentpharma.com/   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, the 2nd biggest super-computer at that time)

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

Computer Languages: Ruby, Perl, Lua, Lisp, Assembly, C (basic). 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. No real world experience with.those though.

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 main project), git. Basic docker knowledge.

Good comunication skills.

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 Most of it is outdated now, but my approach to problem solving stayed.

CONFERENCES

I love to attend conferences (preferably not very crouded/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

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 in Perl

GNU Guix. Packaged a few packages.

PERSONAL

I love music (from rock and jazz to funk and psy . . .),

I like reading (obiously, my favourite books are SICP and GEB)

I used to play Guitar and bass guitar.