

# FullStack / DevOps Engineer

## Employment history

### IT Manager

Arturia, analogic synthesizers editor (600k clients)

March 2014 - Now

- Development, deployment and/or maintenance of the main website. 3 nodes replication cluster, based on **HAproxy**, **Galera**, **MariaDB**, **Nginx/Apache** and Joomla, problematics of high availability, e-commerce, deadlocks. Developed with **PHP/JavaScript**, designed with LESS/CSS and Bootstrap. Uses API calls, asynchronous server. Handles 450k visitors/month. Now running inside **Docker** containers.
- Keep up to date with the tools and project supports used by the developer team. Multiple cross referencing projects that need daily builds: maintenance of the versioning flow (**git/GitLab**, **svn**), **Jenkins** continuous integration, SonarQube code analysis, build machines and bug tracking system (Fog-Bugz / ZenDesk).
- Arturia's software protection system: API development to provide data on users' licences. Problematics of high availability, security, responsiveness. Relies on a **MongoDB sharded cluster** and a **MariaDB cluster**, implemented in **Ruby/Grape**. Handles **1 300k** requests/day. Deployed with Ansible.
- Development of support tools: using the same API, set up an interface to handle the issues of the client. Focused on ergonomoy and support needs to quickly solve problems. Uses **AngularJS**, **CoffeeScript**. Deployed with Ansible.
- System and network administration: had to rework the entire local network infrastructure to ensure usability (**DHCP**, **DNS**, **VPN**, **WiFi**, network range), rebuild two mail servers (**dovecot**, **postfix**, **spamsassin**, **sieve**), migrate tools and websites from outdated and unmaintained servers (CentOS, Fedora, Debian, Ubuntu), implement an iterative backup plan (rsync and bash).
- Lots of scripting (mostly ruby) for various operations (newsletter automation, data on users/sales/products registrations/bug reports/other, database population/comparison), asynchronous tasks.

### RunReport for NextCairn

2013

For an athletic club, helped a friend developing an OpenSource platform of athletes management. Tests and UI/UX reports, in a **Django/PostgreSQL** environment, with Bootstrap.

### Support and Development Engineer

Scilab Enterprises, editor of the Open Source software Scilab

Sep. 2010 - Sep. 2013

- Working with the communication service, complete appearance revision of the software website and integration of the company's official one. **LAMP** based, with eZPublish CMS. 75k visitors/month.
- Development chain maintenance and implementation: versioning, code review, continuous integration, binaries generation, testing, bugtracking. Used **git/svn**, **Gerrit**, **Jenkins**, **Bugzilla** and homemade building and testing scripts in Perl.

- In charge of the Scilab's Plug-in system website, plugins and tools. Development and maintenance of the compilation/tests scripts in Perl/Scilab, integration in the website, support to end users and developers. Website in PHP/HTML.
- R&D Project management: worked with metallurgy company to model pressure reaction of metal sheets to improve their tools (6.2M€budget)

## Final internship at Silice SA (Mendoza, Argentina)

Aug - Dec. 2009

In order to have a follow up on the services provided to clients, development of a hosting platform to ease processes. Web interface calling a daemon (shell, PHP, Python, MySQL, network)

## Billing software for the students' pub

2008-2009

So that students wouldn't need to go to our pub with cash or credit cards and lose both, I developed a billing system where they would pay in advance and have it withdrawn from their account when ordering. Java interface coupled with a MySQL database, with admin accounts to refill the tabs.

## Education and languages

Universidad Nacional de Cuyo, Mendoza, Argentina

2009 - 2010

**Industrial Engineer diploma** in partnership with National Engineering School of Brest (France).

National Engineering School of Brest, Brest, France

2004 - 2009

**Computer Engineer diploma.**

French (mother tongue)

English (fluent, score TOEFL : 620, TOEIC : 955, various travels in english speaking countries)

Spanish (fluent, studying for a year in Argentina)

Chinese (beginner, wife's nationality)

## Passions and activities

Travels in Europe, South America, South-East Asia and Australia.

Sports:

- **hike/hitch-hike**: three weeks in U.K., 3000km in Patagonia, one month in Tasmania, many more across Europe)
- mountaineering (Mont Blanc in 2011, other 3/4/5K in Europe/China), climbing, skiing.
- running: Rotterdam marathon in 2013, half marathons, small trails
- scuba diving (PADI Rescue Diver, FFESSM Level 2)

Music: piano for 12 years, guitar for 2 years, work in the music industry at Arturia