

Main Projects (continuation)

- 2009 **Advanced monitoring, analysis and tuning of Pangea PaaS infrastructure**, including web, mail and database services. Targeting Apache2, PHP, MySQL, Postfix, MailScanner, iSCSI, OpenVZ, Linux kernel and networking stack.
- 2007 - now **Develop confine-orm**, *CONFINE Object Resource Mapper* is a high level Python library for easily interacting with confine-controller REST API using object oriented concepts. Leverages the HATEOAS discoverability of CONFINE API, uses an Active Record like pattern, concurrency based on asynchronous non-blocking IO and caching based on Identity Mapping.
confine-orm.readthedocs.org
- 2013 **Develop spam-gear**, high-performance utilities for fighting spam on multi-user web and mail platforms. Includes filesystem scan tools, log analysis for multiple services and DNSBL checks.
github.com/glic3rinu/spam-gear
- 2014 **Contribute to confine-system**, a daemon written in Lua that implements the node functionality in CONFINE architecture. My main contribution being implementing the node REST API.
wiki.confine-project.eu

Formal Education

- 2012 - 2016 **Master in Innovation and Research in Informatics** at FIB/UPC
Specialization in Computer Networks and Distributed Systems
Facultat d'Informàtica de Barcelona / Universitat Politècnica de Catalunya
Master thesis: BaseFS - Basically Available, Soft state, Eventually consistent File System for Cloud Management
github.com/glic3rinu/basefs
- 2004 - 2011 **Diploma in Computer Systems** at FIB/UPC
Facultat d'Informàtica de Barcelona / Universitat Politècnica de Catalunya
Final thesis: A reusable web hosting control panel with billing system
upcommons.upc.edu/handle/2099.1/13993

Skills and Competences

Languages Catalan, Spanish and English

Driving license B

Computer skills

Programming Proficient in **Python/Django** and **Bash**
Comfortable with Lua, Erlang and R
Love **good design, concurrent programming** and **distributed systems**

Operating Systems **Debian/Linux** (running mission critical services since 2007)

Graphics **Inkscape** github.com/glic3rinu/svg

Services Solid experience administrating Apache, Nginx, Postfix, MySQL, LXC, Postgresql, OpenVZ, Nagios, MailScanner between many others

Misc Strong skills with distributed file systems, networking, shared storage, cloud computing, databases, web development