

Sarzyniec Luc

Software Engineer

Experience

- Sept. 2014* **Senior software engineer — Xilopix**
Present In charge of the Parallel Processing department in the team that develops the Xilopix search engine's core. Developed from scratch a distributed computing framework and a distributed web crawler/scrapper.
- Oct. 2013* **System engineer — Inria**
June. 2014 Administration and improvement of the Grid'5000 experimental platform. Member of the administration team. The platform is composed of a thousand nodes dispatched on 30 clusters localized in 11 sites.
- Oct. 2011* **Software engineer — Inria**
Oct. 2013 Maintained and improved the Kadeploy3 deployment solution. The solution is composed of a set of tools for cloning, configuring and managing computer cluster's nodes. It's used by administrators to automatically and quickly install OS images on hundreds of nodes.
- Feb. 2011* **Junior engineer — Loria**
Sept. 2011 Developed the Distem emulation software that's used to transform an homogeneous computer cluster into an experimental platform where nodes may have different performances and are linked through complex network topologies.
- Apr. 2010* **Intern — Université de Lorraine**
Aug. 2010 Studied reinforcement learning of a complex task by splitting it into several sub-tasks. Simultaneous improvement of motion and sensing skills of an agent. Practical application and testing on a robot.
- Apr. 2007* **Intern — University of NEWI (UK)**
June. 2007 Setup of a secure networking infrastructure (web, mail, LDAP) using free software. Benchmarked and compared it with a Microsoft based solution.

Education

- 2010 – 2011* **Master of research in Computing Sciences**
Cum laude, Science Faculty, Université Nancy 1
- 2007 – 2010* **Master of Computer Engineering**
TELECOM Nancy (former ESIAL), Université Nancy 1
- 2005 – 2007* **DUT in Computing Sciences**
University Institute of Technology, Université Nancy 2
- 2005* **High School Diploma in Engineering Sciences**
HSI Charles Jully, Saint-Avoid

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Computer skills

Programming
Ruby, C, Java, C++, Shell

Database
MongoDB, MySQL, PL/SQL

Middlewares
RabbitMQ, Redis, Elasticsearch

Development tools
Git, Docker, Gerrit, Jenkins, Vagrant

Web
REST, PHP, HTML/CSS/JS, JSP, EJB

Administration
Shell, Puppet, Packaging, Deployment

Virtualization
libvirt, KVM, Xen, LXC, VirtualBox

Operating systems
Linux, Mac OSX, Windows

Scientific contributions
1 journal, 4 articles, 2 challenges

Language skills

English: full professional prof.
German : elementary
French: native

Interests

Music
To discover new horizons (cultural, practical, technical)
Pool, Volleyball
Maintainer of free software
Video games, raid leading

Additional information

Driving license

References

Available upon request