

# Luc Sarzyniec

## Software Engineer

### Experience

Nov. 2017  
Present

#### Senior software engineer — Qwant

Tech leader in a team of the shopping department of the Qwant European search engine.

Sept. 2014  
Nov. 2017

#### Senior software engineer — Xilopix

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  
June. 2014

#### DevOps — Inria

Administration and improvement of the Grid'5000 experimental platform (composed of a thousand nodes dispatched on 30+ clusters localised in 10+ sites).

Oct. 2011  
Oct. 2013

#### Software engineer — Inria

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  
Sept. 2011

#### Junior engineer — Loria

Developed the Distem emulation software that's used to transform a homogeneous cluster into an experimental platform where nodes may have different performances and are linked through complex network topologies.

Apr. 2010  
Aug. 2010

#### Intern — Université de Lorraine

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  
June. 2007

#### Intern — University of Wales (UK)

Setup and benchmark of an open-source IS.

### Education

2010 – 2011

#### Master of research in Computing Sciences

Cum laude, Science Faculty, Université de Lorraine

2007 – 2010


#### Master of Computer Engineering

TELECOM Nancy, Université de Lorraine

2005 – 2007

#### DUT in Computing Sciences

University Institute of Technology, Université de Lorraine

 3 pl. croix de Bourgogne  
54000 Nancy, France

 +33 6 49 07 82 18

 luc.sarzyniec@gmail.com

 www.olbat.net

### Computer skills

#### Programming

Ruby, Python, Crystal, C, Java, REST

#### Backends

RabbitMQ, Redis, Elasticsearch, \*SQL, MongoDB, JanusGraph

#### Machine learning

NN, RL, Q-Learning, HMM

#### Development tools

Git, Docker, GitHub, Gerrit, Jenkins

#### Quality assurance

CI, code review, automation, test units, open-source, versioning

#### System

Shell, containers, virtualisation, GNU/Linux, systemd, packaging, deployment

#### Scientific contributions

1 journal, 4 articles, 2 challenges

### Language skills

**French:** native

**English:** full professional prof.

**German:** elementary

### Interests

New technologies

Free and open-source software

Video games, raid leading

Board and role playing games

### Additional information

Driving license

### References

Available upon request