Curriculum Vitae

Éric Lemoine

Python, JavaScript, and C developer.

Simple and Solid Software Lover.

Age:	42
Email:	Eric -DOT- Lemoine -AT- gmail -DOT- com

Education

Sep 2001 – Jul 2004

> Université Claude Bernard de Lyon (UCBL)
> Phd student
> Subject: New network interface functions for improved performance on multi-processor machines

Sep 2000 – Sep 2001

> École Normale Supérieur (ENS)
> Master student
> Field: High performance computing and networking

Sep 1999 – Sep 2000

> Institut National des Sciences Appliquées (INSA)
> Engineer student
> Field: computer science

Sep 1996 – Jul 1999

> Institut des Sciences et Techniques de l'Ingénieur de Lyon (ISTIL)
> Engineer student
> Field: Applied mathematics

Internships

Feb 2000 – Sep 2000

> "Institut de Recherche en Informatique et Systèmes Aléatoires"
> Domain: high-performance distributed computing
> Task: dev. of a parallel and distributed application with CORBA and MPI
> Technology: C++, CORBA, MPI

Professional work

Jan 2017 – present

> Oslandia
> Title: senior developer
> Domain: geospatial, open-source, 3D (pointclouds)
> Language: Python, C, SQL (plpgsql)
> Technology: PostgreSQL, PostGIS, Pointcloud, Docker, Ansible

Nov 2015 – Dec 2016

Mirantis
Title: senior software engineer
Domain: OpenStack, Kubernetes, Docker, monitoring, infrastructure, cloud
Language: Python, Lua, Golang
Technology: Puppet, Salt, Ansible, Elasticsearch, InfluxDB, OpenStack, Kubernetes

Feb 2007 – Nov 2015

Camptocamp
Title: senior developer, technical leader, open-source project member
Domain: geospatial, web, open-source
Language: Python, JavaScript, CSS, HTML
Technology: OpenLayers, jQuery, Ext JS, Google Closure, Pyramid, SQLAlchemy

Aug 2004 – Feb 2007

Sun Microsystems
Title: software engineer
Domain: high availability, system programming
Language: C, Java
Technology: Solaris, Sun Cluster, JMX

Sep 2001 – Aug 2004

Sun Microsystems and UCBL
Title: Phd student
Domain: High performance networking, multi-core and network CPUs
Language: C, Assembly (RISC)
Technology: Linux Kernel, TCP/IP, Network Interface Card

Main computer skills

Languages

C, C++, Python, JavaScript, Perl, Java
Shell (bash, zsh, tsch)
HTML, CSS

Programming tools

Git, Mercurial, SVN, CVS
gcc, gdb
vim

Operating systems

Linux (admin, user-level and kernel-level programming)
Solaris (admin, user-level programming)

Databases

PostgreSQL, SQLite, MySQL, InfluxDB, Elasticsearch
PostGIS, Spatialite

Infrastructure tools

Puppet, Salt, Ansible
OpenStack, Kubernetes, Docker

Publications

2004

Phd thesis

A new mechanism for Transmission Notification on SMP
Technical report RT-0295, INRIA, May 2004
[bibtext]

Packet Classification in the NIC for Improved SMP-based Internet Servers
In Proceedings of IEEE 3rd International Conference on Networking (ICN'04), Guadeloupe, French Caribbean, March 2004
[bibtext]

2003

Packet classification in the NIC for improved SMP-based Internet servers
Technical report RT-0285, INRIA, September 2003
Packet classification technical report
[bibtext]

Fast forwarding with network processors
Technical report RR-4710, INRIA, January 2003
Fast forwarding technical report
[bibtext]

Social and personal skills

- Passionate software developer

- Linux user and enthusiat for 15 years

- Autodidact, especially when related to computer concepts

- Competent in providing guidance and leadership to others

(This resume is written in reStructuredText, converted to HTML using rst2html and to PDF using rst2pdf; the idea and tools come from Martin Felix Krafft.)