

Software Development Engineer

Boris Faure
118 rue Armand Silvestre
92 400 Courbevoie, France

Mobile: +33 (0)6 76 93 16 21
Email: boris@fau.re
Github: billiob, Ohloh: billiob

Employment

- **SCALITY** PARIS, FRANCE
Software Engineer *September 2013 – Present*
Scality provides software-defined petabyte-scale storage solutions.
 - Wrote in C a highly threaded cache system with read-ahead detection for files on top of the object store product called the Ring.
- **INTERSEC** COURBEVOIE, FRANCE
Software Engineer *October 2009 – August 2013*
Intersec develops software products for mobile operators.
 - Wrote in C a high-availability temporal statistics server handling hundreds of thousands of events per second and storing them for many years;
 - Developed in C and PHP a Short-Message-Service Center;
 - End-to-End development on a Value-Added Service product: backend in C and Javascript using v8, front-end in PHP and Javascript.
- **INTERSEC** COURBEVOIE, FRANCE
Software Engineer Student *2009 – 6 months internship*
 - Improved how mobile messages are networked in the high-performance MCG product, a distributed Multi Channel Gateway written in C.
- **CEA (FRENCH ATOMIC ENERGY COMMISSION)** VALDUC, FRANCE
Software Engineer Student *2008 – 5 months internship*
 - Developed a software program to optimize and analyze the sensibility of coefficients in state equations used to model the behavior of materials in precise areas in pressure and temperature.

Experience

- **ENLIGHTENMENT PROJECT** <http://www.enlightenment.org>
Software Engineer *October 2009 – Present*
Enlightenment is a window manager and a whole suite of libraries to help create beautiful user interfaces with much less work than doing it the old fashioned way and fighting with traditional toolkits. It covers uses from small mobile devices like phones all the way to powerful multi-core desktops.
 - Developed on and managed the Terminology project: a terminal emulator written in C using the Enlightenment Foundation Libraries;
 - Gave a talk on Terminology at FOSDEM 2013;
 - Wrote in C a tiling module for the Enlightenment window manager;
 - Wrote in C a RSS client using Elementary - a widget library written in C, Ecore - an event loop library and Azy - a networking library;
 - Worked on the Enlightenment Foundation Libraries python bindings;
 - Wrote an animated wallpaper using Evas - a canvas library - and Edje - a user interface description library;

- Wrote a textual clock wallpaper using Edje;
- Fixed various issues here and there in the EFL.
- **ERLANG PROJECT** *November 2010 – November 2012*
Software Engineer
 Work on an unreleased website.
 - Backend was provided by Mnesia and Postgresql with epgsql;
 - Mailing system handled by esmtp;
 - Early work was done with Nitrogen - a web framework;
 - Decided to write a smaller web framework called twf based on cowboy.
- **AMSN PROJECT** <http://www.amsn-project.org>
2004 – Present
Software Engineer
 aMSN Messenger is an open source multiplatform MSN messenger clone.
 - Worked on the first versions written in Tcl;
 - Designed the new version written in Python;
 - Wrote the EFL and web front-ends.
- **THIRD YEAR ISIMA PROJECT** <http://sourceforge.net/projects/qcjm/>
2008 – 2009
Software Engineer Student
 - Developed in C++ an open source Qt application on top of MAUI and Torque to manage jobs on clusters.
- **SECOND YEAR ISIMA PROJECT** *2007 – 2008*
Software Engineer Student
 - Studied the use of GSL and Boost as distribution generators and choose the former;
 - Wrote a library in C using GSL to generate common random distributions on clusters using MPI (Message Passing Interface).
- **FIRST YEAR ISIMA PROJECT** *2006 – 2007*
Software Engineer Student
 - Reverse-engineered the Ink Serialized Format - format invented by Microsoft and used for their Tablet PC and Windows Mobile systems;
 - Developed in C the libISF library used to decode and encode ISF files;
 - Wrote a simple ISF file viewer using the Evas library.

Core Technical Skills

- **Software architecture, network programming, distributed environment**
- **Systems:** Linux (Gentoo), OpenBSD, FreeBSD
- **Common Languages:** C, C++, Erlang, Python, JavaScript, PHP, Tcl, \LaTeX , Brainfuck
- **Development Tools:** ViM, Git, GDB, Valgrind, perf
- **Graphical libraries:** EFL, Tk, Qt
- **Open Source contributions:** aMSN, Enlightenment, Git, Erlang, Nitrogen, Esmtp, Gentoo, Tmux, ...

Education

- **ISIMA** CLERMONT-FERRAND, FRANCE
Master degree in Computer Science 2006 – 2009
Obtained with honours an Engineering diploma in Computer Science at the ISIMA, Computer Science Engineering College.
- **CLASSE PRÉPARATOIRES DU LYCÉE CARNOT** DIJON, FRANCE
2004 – 2006
Studied for competitive admission into French engineering colleges.
- **LYCÉE CARNOT** DIJON, FRANCE
Baccalaureate S 2004
Obtained with honours a Baccalaureate S, Option Engineering Science, A-levels equivalent.

Languages

- **French:** native speaker
- **English:** upper-intermediate (915 at the TOEIC test)
- **German:** pre-intermediate

And when I am not doing the above, I like swimming, skiing and windsurfing.