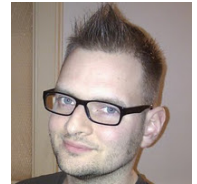


Alexandre Boeglin

Software Engineer

54000 Nancy, France
✉ www.boeglin.org
32 years old, single



Experience

2010–Now **Research Engineer**, *Inria*, Nancy, France.

Research engineer in the **Madynes** research team.

Development for various research projects and prototypes:

- development for Wireless Sensor Networks:
 - ported the *Contiki* OS to the sensors used in the *Senslab* testbed;
 - development of a driver for the CC1100 radio chip;
 - development of a distributed monitoring protocol based on 6LoWPAN and RPL;
- development for the *SecSip* SIP firewall: stateful filtering engine, Ajax management interface, integration of a SOAP server for remote management.

Coordination between the Security Work Package of the *FI-WARE* European Project and the Inria teams involved.

Network and system administration for the *High Security Lab*, a network testbed and large scale honeypot platform.

Part-time teaching at *Université de Lorraine* (24 hours per year).

2008–2009 **Software Developer**, *Creative Patterns*, Strasbourg, France.

Video game development in C++ for the Nintendo DS and Nintendo Wii, in C# for the Unity Engine; production tool development in Python and C# on Windows:

- development for the *TURN* game on the Nintendo DSiWare;
- development for the *Alpe d'Huez SkiCross* game on Unity (WebPlayer and iOS versions);
- development for the *Hospital Giant* game on the Nintendo DS;
- development for the *Fashion Designer – High Fashion* game on the Nintendo DS.

2004–2008 **Software Engineer**, *Nexedi*, Lille, France.

Development for the *ERP5* ERP software using Python and the Zope framework (invoicing rules, inventory calculations, production planning, divergence handling. . .):

- development for the *ERP5 Express* SaaS;
- integration and deployment of *ERP5* for Infoterra: orders and production management for satellite imagery (living in Munich, Germany for 1 year);
- integration and deployment of *ERP5* for an African financial institution: management of banknotes inventory and banking operations (living in Dakar, Senegal for 6 months).

2004 **Intern**, *Nexedi*, Lille, France.

Development of tools and scripts for the automated creation and configuration of GNU/Linux system images, then used to build router (ADSL, WiFi, firewall, IPsec VPN) and SME server (LDAP, groupware, X and VNC sessions, file server. . .) appliances.

2003 **Intern**, *Netika*, Strasbourg, France.

System administration (Apache, Postfix, Samba, Hylafax); network administration (VPN, remote backups); web development (PHP, JavaScript).

Education

2004 **DESS en Informatique**, *Université Louis Pasteur*, Strasbourg, France.

DESS en Informatique, Mention Réseaux et Télécommunications.

Equivalent to a master's degree in computer science, with emphasis on computer networks.

2001-2003 **IUP GMI**, *Université Louis Pasteur*, Strasbourg, France.

IUP Génie Mathématique et Informatique, Spécialité Réseaux Informatiques et Applications.

Equivalent to a bachelor's degree in computer science, with emphasis on computer networks.

Computer Skills

Languages	C, Python, C++, C#, JavaScript, SQL, Bash
Tools	Debuggers, profilers, revision control, continuous integration
Computer Networks	Ethernet, wireless (WiFi, Bluetooth, 802.15.4, 6LoWPAN), TCP/IP, IPv6
Micro-controllers	MSP430 family, CCxxxx radios, Contiki OS
Python Frameworks	Zope, CMF, ERP5
System Admin.	GNU/Linux, OS X, Windows
Network Admin.	Filtering (Netfilter, IOS), routing protocols, service configuration (BIND, Apache, Postfix...)

Languages

French	Mother tongue	English	Fluent
German	Basics		

Interests

Free Software	User and contributor
Hacking	Member of NYBI.CC (makerspace in the Nancy area), "homebrew" development on video game consoles, embedded computing, electronics
Science Fiction	Books, movies, TV series
Sports	Running, roller skating

Misc.

- Clean driving license
- Free from national service obligations