

Guillaume Mazoyer | Network/IT Engineer

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Education

- **University of Technology of Belfort-Montbéliard** **Belfort**
Engineering Degree in Computer Science, Networks and Telecommunications. 2011 – 2014
- **Institut Universitaire de Technologie de Belfort-Montbéliard** **Belfort**
Professional Degree, Administration/maintenance of Distributed Applications Systems. 2010 – 2011
Degree obtained with honors.
- **Institut Universitaire de Technologie de Belfort-Montbéliard** **Montbéliard**
Technical University Diploma, Networks and Telecommunications. 2006 – 2008

Experience

- **LuxNetwork (European Operator)** **Ehlerange, Luxembourg**
Network/IT Engineer since July 2014
Management and evolution of the network, telecom and system operator infrastructure.
- **LuxNetwork (European Operator)** **Ehlerange, Luxembourg**
Network/IT Engineer Internship February 2014 – July 2014
Setting up of links colorization and traffic prioritization using the RSVP protocol in an IP/MPLS backbone.
- **IUT of Belfort-Montbéliard** **Montbéliard, France**
Part-time teacher October 2013 – December 2013
Teaching during labs sessions of network programming in Java for students in last year of Networks and Telecommunications Technical Degree.
- **GNOME**
Google Summer of Code Student June 2013 – September 2013
Improvement of the java-gnome code generator (that generate the JNI and the translation layers of the bindings) to make it able to use Introspection data that are distributed with all GNOME libraries.
- **TRINAPS** **Belfort, France**
Engineer Assistant Internship September 2012 – February 2013
Studies, sizing, costing and tests in laboratory of virtual desktop infrastructure. Transfer of acquired skills and knowledges about virtualization products made by Citrix, VMware and Microsoft.
- **Scilab Enterprises** **Versailles, France**
Google Summer of Code Student May 2012 – August 2012
Contribution to the development and port of Scilab on the Android operating system. Understanding of software portage techniques. Cross-compilation of Scilab to make it work on the Android device.
- **Debian**
Google Summer of Code Student May 2012 – August 2012
Contribution to the packaging of the future Java modular virtual machine. Understanding of the packaging techniques and of the Java build system. Packaging of required libraries to run the unit tests of the JVM. Oral presentation of the work during the Debian annual conference.

- **TRINAPS** **Belfort, France**
Advanced Technician Internship *February 2011 – June 2011*
Development of a web application to share files (<https://drop.trinaps.com>). State of the art studies, specifications writing, application development and release.
- **LIFC (Laboratoire Informatique de l'Université de Franche-Comté)** **Montbéliard, France**
Network Technician Internship *March 2008 – August 2008*
Setup of a VoIP platform using Ethernet and WiFi technologies. Development of an application to modify binaries captures writing in C language. User documentation writing and application tests.

Technical skills and interests

- **Network protocols:** Comprehensive OSI/TCP-IP knowledge and great troubleshooting and audit skills. Good IPv6 knowledge. GNU/Linux networking expertise (netfilter, quagga, bird, iproute2, misc. utilities). Good knowledge of MPLS/MP-BGP architectures, associated protocols (IS-IS, OSPF, LDP autoconfiguration, RSVP) and MPLS enabled services (L3 VPN, L2 pseudowire, VPLS, EVPN). More than 2 years experience in Carrier Ethernet and Network Service Provider technologies.
- **Network hardware:** More than 2 years of experience with JUNOS on Juniper MX, EX, SRX and QFX platforms. Experience with IOS for switching and routing (CCNA validated with 90% average). OSPFv2/v3, IS-IS, iBGP/eBGP and filtering on these platforms. Good knowledge of 802.11 Wi-Fi technologies. Recent interest in network virtualization and SDN technologies.
- **System administration and services:** Excellent knowledge of: OpenSSH, Apache2, OpenVPN, DNS (Bind9, Unbound, Knot), NSD Dhcpcd, Rsync, NFS, Radvd. Skills with Proxmox virtualization system (KVM/OpenVZ) and Hyper-V. Good knowledge of OpenSSL, Samba. Daily use of Ansible to deploy and manage physical and virtual machines.
- **GNU/Linux:** Daily server and desktop usage. 10 years experience. Mostly Debian based distributions.
- **Other UNIXes:** Basics on BSD and Solaris.
- **Windows:** Good general and network troubleshooting knowledge.
- **Programming:** Java, Python, Go, PHP, Bash, C. Git, Subversion. HTML/CSS basics.

Languages

- **French:** Native language
- **English:** Advanced *Very good oral and reading comprehension. Good written and oral expression.* TOEIC score: 885/990.
- **Spanish:** Basics

Hobbies

- **Motorbike:** Casual rides.
- **Sciences, Physics, Astronomy:** No particular knowledge, just curious.
- **Video games:** Mostly PC gaming, singleplayer and cooperative games.
- **Leisure computing:** Free and opensource software, active participation to several projects.