



# Gaétan SIMO

## Network Architect CCIE#53464

 シモ・ガエタン (日本語)

 LinkedIn

Gaetan has gained a solid experience over the past 13 years. His expertise spans across a large panel of network fields (WAN, LAN, WIFI, Datacenter, and Security). This expertise was demonstrated by the acquisition of the CCIE in 2016. But apart from his exceptional technical skills, his particularity is his ability to adapt to any working environment in a very short amount of time. This transpires through the large variety of companies (retails, factory, research facilities, banking, Internet operators, etc) where he was able to provide remarkable results from all his projects. This ability to quickly adapt stems from the large number of cultures that have influenced him over the years. He is currently fluent in French, English and Japanese. Allowing him to be part of your team is an insurance that your projects would be delivered with excellent results.

Driving License  
 United Kingdom

 rsimogaetan@gmail.com

 gaetan.simo

## EXPERIENCES

### Network Solutions Architect

Redcentric - October 2019 to August 2020



- ▶ Designing new Datacenter networks and migrating customers from their legacy environment.
- ▶ Designing and coordinating the implementation of several Dark Fibre, MPLS networks, Data Centers, Nexus2K/5K/7K, ASR9K, FortiGate,
- ▶ Protocols involved includes BGP, OSPF, FabricPath, IPsec, etc.

### Network Consultant

Accenture - February 2019 to June 2019



- ▶ Design and implementation of network refresh of WAN, LAN, WLAN and Firewall solution on multiple large sites and campuses.
- ▶ Cisco ISR4431 for WAN. IWAN Solution with APIC-EM. Dual-router with multi-hubs DMVPN networks. Local breakout for Internet and Express-Routes on MPLS. Routing protocols BGP for MPLS, EIGRP on the DMVPN networks and OSPF on the LAN. Cisco Prime Infrastructure for monitoring.
- ▶ LAN Core Meraki switches with MS410 and MS425. Layer 3 routing for the LAN with OSPF.
- ▶ LAN Access switches with MS210 and MS225. Replacement of the entire legacy switching environment.
- ▶ WLAN with Meraki Access Points MR42. Multiple SSIDs (Corporate, Partners. Guest) with different levels of security. AAA done on Cisco ISE.
- ▶ Meraki API scripting as well as Meraki Templates for rapid deployment, monitoring and reporting.
- ▶ Check Point Firewalls used for NAT and filtering.

### Project Engineer

Natilik - September 2017 to September 2018



- ▶ Design, build and deploy projects related to Enterprise Network, Wireless, Datacentre, and Security.
- ▶ Design and implement from the ground up, a highly secure network environment for a major bank in London
- ▶ Design and implement a worldwide Meraki network for high-end retail companies, with LAN, WLAN, Firewall
- ▶ Design and implement multiple wireless environment for Corporate, Staff, Guest and others, with various types of security and authentication protocols
- ▶ Design and migrate multiple data centres to high performance technologies such as Nexus, C9400, C6880, etc...
- ▶ Multiple other projects...

### Senior Network Engineer

GM Financial - February 2017 to August 2017



- ▶ Build and engineering of LAN and WAN for the world-wide corporate network
- ▶ Design, planning and deployment of LAN and WAN devices refresh
- ▶ Design, planning and deployment of LAN and WAN Insourcing from AT&T
- ▶ Design, planning and deployment of WAN migration from AT&T to Verizon
- ▶ Design and roll out of Wifi Guest based on Cisco AP, WLC, Prime and ISE
- ▶ Design and roll out of Wifi Corporate based on Cisco AP, WLC, Prime and ISE

### Network Engineer CCIE# 53464

Lacoste - September 2012 to January 2017 - Full-time - Troyes - France



- ▶ Build, engineering and operations of Lacoste's world wide Network infrastructure
- ▶ Design and architecture improvement. Project engineering roll out.
- ▶ Monitoring, script automation, troubleshooting, device deployment, technical documents redaction and coordination with remote IT team
- ▶ LAN, WLAN, WAN, DC, Security, VPN (Site-to-Site and Remote Access), Visio Conference

- ▶ More than 400 sites : Stores, Offices, Factories, Warehouses, Datacenters
- ▶ More than 1500 network devices : Routers, Switches, Access Points, Wireless Controllers,
- ▶ Lead of 20 local IT at remote branches

## Network and System Engineer



**INRIA - January 2011 to August 2012 - Full-time - Paris - France**

- ▶ Network and system engineer in the INRIA project named ALADDIN-Grid'5000.
- ▶ Network engineer at the INRIA Saclay IT team.
- ▶ Configuration and deployment of Wireless network : NCS, UCOPIA, Lightweight AP, CISCO
- ▶ Configuration and deployment of network monitoring tools : Cacti, Network-Weathermap, Nagios
- ▶ Design, deployment, management and supervision of a 480 cores cluster : Puppet, Chef-node, Capistrano, Kadeploy, OAR
- ▶ Design and deployment of a network supervision tools that auto-configure itself based on physical links : Network Link discovery, Cacti, Network-weathermap,
- ▶ Development of a tool to configure different models of network equipments : CISCO, HP PROCURVE, 3COM, POWERCONNECT, EXTREME-NETWORK, FOUNDRY;

## Intern as Multimedia Architect



**LaBRI - February 2010 to August 2010 - Bordeaux - France**

- ▶ Design, implementation and deployment of an architecture for Peer-To-Peer network live video streaming.
- ▶ Establishment of the state-of-the-art Peer-To-Peer protocols, streaming protocols, and videos codecs.
- ▶ Development of a tool for sending and reading live video streaming over a Peer-To-Peer network
- ▶ Integration of multiple libraries into one platform (LibTorrent, DHT, VLC, JSVM, C++, C#, ...)

## Network and Systems Technician



**Mediatvcom - September 2008 to August 2009 - Full-time - Paris - France**

- ▶ Network and systems technician at the daily basis.
- ▶ VidIP is a product which transports professional quality live video over IP, mostly over the Internet
- ▶ Network management at the daily basis : IP Router, VLAN, VPN, Firewall, FTP server, DYNDNS server, asterisk (IPBX).
- ▶ Integration of Company product VidIP into client network infrastructure : Collaboration with customer's network engineers to design the best network architecture for VidIP
- ▶ Remote support and maintenance of VidIP installed on customers sites : SSH, tcpdump, telnet, NAT, port forwarding, VLC
- ▶ Implementation of additional features on VidIP : File Transfert, IPV6 support
- ▶ Bug Corrections on VidIP software : C/C++, J2EE, Visual Studio, SVN, gsoap , UDP/TCP/RAW Sockets, Shell/Bash.

## Intern as Network Manager



**Thales Services - June 2008 to August 2008 - Paris - France**

- ▶ Development of a web interface for Thales IP network Hotline department : PHP, MySQL, Html, CSS, Javascript.
- ▶ Deployment and configuration of tools for THALES IP network real time supervision : Nagios, WhatsUp. SNMP

# EDUCATION

## 5th Year Degree

ENSEIRB-MATMECA AT BORDEAUX / FRANCE

September 2006 to July 2010

Final year Telecommunication Student engineer at ENSEIRB-MATMECA at Bordeaux / France.

5th year degree received in September 2010.

## Master's degree

UNIVERSITY OF BORDEAUX

September 2010 to July 2010

Master's degree in Network, Technology and Health, specialty Network and Systems

# INTERESTS

## Culture

- ▶ Japanese culture through anime, movies, music, books and occasional travels to Japan.
- ▶ Japanese language at conversational level.

## Sports


Football, Basketball, Running and Tennis for fun and to keep in shape

## Cinema




















Mostly Science-Fiction movies. I particularly enjoy movies made by Steven Spielberg

# SKILLS

## Certifications

- ▶ CCIE RS # 53464 
- ▶ CCNP RS 
- ▶ CCNA RS 

## Network Devices















- ▶ Cisco Router, Switch, Wifi 
- ▶ Cisco Datacenter, Firewall 
- ▶ Cisco NCS, ISR, ASR 
- ▶ Cisco IOS-XR, IOS-XE, NX-OS 
- ▶ Switch L2/L3 
- ▶ Cisco Nexus 7K/5K/2K/1Kv 
- ▶ Dark-Fiber, Cross-Connects 
- ▶ DWDM/CWDM, Mux/Demux 
- ▶ Terminal Console Servers 
- ▶ Cisco ACI, SD-WAN, SD-Access, FabricPath 
- ▶ Cisco Umbrella 
- ▶ Meraki Firewall, Switch, Wifi 
- ▶ F5 LTM/ATM 
- ▶ Fortinet Switch, FortiGate, FortiManager 
- ▶ CheckPoint Firewall 
- ▶ Nokia Switch 
- ▶ Huawei Switch 
- ▶ Digital Guardian DLP CI-3000 
- ▶ UCOPIA 
- ▶ Efficient IP, Infoblox, Gestio IP 
- ▶ InfiniBand Switch 

- HP ProCurve Switch ★★☆☆☆
- 3COM Switch ★★☆☆☆
- Dell PowerConnect Switch ★★☆☆☆
- Extreme Networks Switch ★★☆☆☆
- Foundry Switch ★★☆☆☆
- Dell PowerEdge Server ★★☆☆☆
- VidIP ★★☆☆☆
- Asterisk IP-PBX ★★☆☆☆



















## Network Protocols

- BGP (Unicast/Multicast/Labeled-Unicast) ★★★★★
- MP-BGP (IPv4/IPv6/VPN4/VPN6) ★★★★★
- OSPFv2, OSPFv3, IS-IS ★★★★★
- EIGRP (IPv4/IPv6), RIP ★★★★★
- Three Way Route Redistribution ★★★★★
- Multi-VRF Routing ★★★★★
- PBR, PFR ★★★★★
- IP SLA, Tracker, Floating Static Route ★★★★★
- RIB, FIB, LFIB, BFD ★★★★★
- IP Multicast, RPF, IGMP, PIM ★★★★★
- RP, Auto-RP, BSR, MSDP ★★★★★
- MPLS, VPLS, L2VPN, Segment-Routing ★★★★★
- LDP, LSP, RSVP, Pseudowires ★★★★★
- WAN, LAN, WLAN, MAN ★★★★★
- IPv4, IPv6, DualStack ★★★★★
- CDN, RIPE, FranceIX ★★★★★
- BGP Public AS, BGP Looking Glass Servers ★★★★★
- NAT, PAT ★★★★★
- QoS, DSCP, CoS, 802.1P, WRED, QoS Marking ★★★★★
- Traffic Shaping, Priority Class, DiffServ ★★★★★
- WiFi-6/6E ★★★★★
- Wifi Controller, WLC SSO ★★★★★
- LWAPP, CAPWAP, Lightweight AP ★★★★★
- SSID, WPA2-Enterprise, WPA3-Enterprise ★★★★★
- 802.1x, PSK+MAB, ACL ★★★★★
- Cisco Nexus SSO, VPC, VSS, Port-Channel ★★★★★
- Cisco WCCP ★★★★★
- CDP, LLDP ★★★★★
- VLAN, VTP ★★★★★
- RSTP, PVST+, RPVST+, MSTP ★★★★★
- STP Root-Guard, BPDU-Guard ★★★★★
- Errdisable, Port-Security ★★★★★
- LACP, PAgP ★★★★★
- HDLC, PPP, PPPoE ★★★★★
- DMVPN, IWAN, VTI, GRE, IPsec ★★★★★
- Internet Breakout, Express-Routes ★★★★★
- ASA Contexts, FTD Instances, FortiGate VDOMs ★★★★★
- DMZ, IDS/IPS ★★★★★
- MLFA (Multi Layered Firewall Architecture) ★★★★★
- ZBF (Zone Based Firewall) ★★★★★
- Site-to-Site VPN, Remote Access VPN ★★★★★
- IKEv1, IKEv2 ★★★★★
- Anyconnect ★★★★★
- PKI, Root CA, Signing CA ★★★★★
- SSL User Certificate, Server Certificate ★★★★★
- SSL Transparent Decryption ★★★★★

## Network Services

- DHCP, DHCPv6 
- DNS, DynDNS 
- LDAP, AD (Active Directory) 
- Radius, TACACS+, AAA 
- NTP, Syslog, SNMP (v1/v2c/v3) 
- SPAN, RSPAN, ERSPAN 
- EPC (Embedded Packet Capture) 
- EEM (Embedded Event Manager) 
- HSRP, GLBP, VRRP 
- NAT/VRRP 
- IPSLA, Tracker 
- Netflow, Flexible Netflow 
- Web Server, Web Proxy, Reverse-Proxy 
- Mail, Jabber, Sympa 

## Softwares

- Cisco ISE, ACS, WLC, NCS, Prime Infrastructure 
- Cisco ASA, ASDM, CSM, FTD, FMC 
- Cisco WAAS, WAE 
- Cisco DNA-Center, APIC, Nexus Dashboard 
- Meraki RestAPI, Templates 
- ISE RestAPI 
- Centreon, Nagios, Munin, Cacti 
- Rancid, Network-Weathermap, WhatsUp 
- Wireshark, Tcpdump, Tshark 
- Visio, Dia 
- MS Office (Word/Excel/Outlook) 
- MS Powerpoint, MS Projects 
- LibreOffice, OpenOffice, Thunderbird 
- FTP, SFTP, SCP, Rsync, SSH, Telnet 
- Iptables, ufw 
- Gimp, Photoshop 
- Vim, Nano, Emacs 
- GIT, SVN, CVS 
- Jenkins 
- Puppet, Chef-Node, Ansible, Capistrano 
- Visual Studio, Eclipse 
- SharePoint, OneDrive 
- MS Teams, Cisco Jabber, Skype For Business, Slack 
- Microsoft Azure, AWS, Google Cloud Platform 
- Google Chrome, MS Edge, Firefox 

## Programming languages

- Bash, Ruby, Python, Perl, Batch 
- Tcl/Tk, Expect 
- PHP, MySQL, HTML, CSS, Javascript 
- C/C++, Java J2EE, C# 
- Matlab, Maple 

## Operating Systems

- Debian, Ubuntu 
- Windows XP/7/10/11 
- Fedora, CentOS, Mandriva 
- MacOS 