

Michel Happy | Curriculum Vitae

France

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Security Consultant at EXAKIS-DSA

Education

Engineer in Systems, Networks and Telecommunications <i>Specialized in Network and Service Convergence</i> University of Technology in Troyes	France 2012–2015
Master of Science <i>Specialized in Information Systems Security</i> University of Technology in Troyes	France 2014–2016
Technical College <i>Specialized in Networks and Telecommunications</i> University Institute of Technology in Auxerre	France 2010–2012

Experience

Work.....

Exakis **France, Toulouse**
Security Consultant *2016 April*
Detailed achievements:

- **Public Key Infrastructure through the OpenTrust(IDnomic) PKI solution**
 - Monitoring of the Certification Authority, Registration and Enrollment Authority
 - Monitoring of the Certificate Revocation List Server
 - Monitoring of the Log server
 - End User Support
- **Identity and Access Management with Forefront Identity Management**
 - End User Support
- **System Administrator of a Linux Server**
 - Monitoring of a Web Application Firewall
 - Monitoring of an HIDS (Host-based Intrusion Detection System)
 - Monitoring of Users, rights and remote access
 - Logs and Updates Management
- **Stormshield Data Security with Outlook Desktop**
 - Digital Signature
 - Encryption
- **ElasticSearch Logstash Kibana**
 - Bind to Nessus reports
- **Training : Varonis Datadvantage and Cyberark Privileged Account Security**

This work placement was focused on identity and access management.

Detailed achievements:

- **Microsoft Advanced Threat Analytics assessment through:**
 - Account enumeration
 - DNS reconnaissance
 - Pass-the-Ticket
 - Skeleton Key
 - Forged PAC (*Privileged Attribute Certificate*)
 - LDAP Bruteforce
 - Honeytoken
- **Office 365 and Azure Active Directory:**
 - Customization
 - Share documents
 - Multi factor authentication
 - Active Directory synchronisation (with Azure AD Connect)
 - Groups management
 - Azure RMS (rights management)
 - Azure AD Cloud App Discovery
 - Azure AD Application Proxy
 - Azure AD Security Reports
- **IT Operational Portal (ITOP):**
 - Customization
 - Service level agreement (SLA)
 - Helpdesk and incidents management
 - Notifications
 - Reports
- **Smartphone helpdesk:**
 - Messaging synchronisation (Exchange server)
 - Public Key Infrastructure (PKI)
 - Resolve incidents
- **Mobile Device/Application Management with Intune et Airwatch:**
 - Devices enrollment (iOS, Android and Windows)
 - Compliance policies
 - Mobile application policies
 - Windows 10 enrollment (Airwatch)
- **Google For Work:**
 - Team Site
 - Share documents
 - Hangouts

Alyotech Technologies

Intern

Level 2 network technical support.

France, Bordeaux

2014 (February–July)

Detailed achievements:

- Resolve incidents of SFR's corporate customers by making a diagnosis on their network
- Communicate throughout the incident and Check its resolution to the client
- Interact with the ISPs Orange and SFR
- Technologies used : ADSL, IP, 3G, ATM
- Equipments used : DSLAM (Alcatel and Huawei), BAS (Redback), Routers (Cisco, Huawei and One20) and 3G Router (OneCell35)
- Send a technician to the client and supervise his actions :
 - Check the client's router,
 - Check the link, the signal, the local loop and the SFR's equipments (DSLAM or BAS) with Aurora Presto

Tedies

Intern

Software developer.

France, Auxerre

2012 (April–June)

Detailed achievements:

- Programming - with VB.NET - of an application which communicates with a TomTom GPS. As a result of this, we were able for instance :
 - To retrieve instantly the fuel consumption
 - To trace instantly the route of a driver
 - To retrieve instantly the distance which a car has done
- This tool was assessed by the company Upsilon

School Projects.....

Several projects : Network, Security, Cloud

France, Troyes

2014–2015

- Bro IDS (assessment through attack scenarios : DoS, Trojan, Keylogger, Brute force FTP server, SQL injection, Man in The Middle)
- Internet Of Things and security (architecture, power consumption, protocols and encryption algorithm)
- Programming with Matlab an encryption algorithm (AES variant)
- ISO 27031
- Federated Identities and Cloud

Secured Wi-Fi

France, Troyes

2013–2014

Needs assessment, technical solutions : Inverter (Eaton 9PX5KIRTN), Access Point (Linksys WAP300N), Captive portal + RADIUS (Alcasar), Firewall (Cisco ASA 5505) and Proxy (Cisco S170).

Tasks scheduler

France, Troyes

2012–2013

Programming with Bash, 2 commands (equivalent to *cron* and *crontab*) which allow automatic tasks execution.

PfSense

France, Auxerre

2011–2012

Implementation of some of this software functionalities (Firewall, VPN, QoS, Proxy).

EON : Eyes Of Network

France, Auxerre

2010–2011

Assessment of this tool and installation of some features (map, dashboard, notifications, ...).

Miscellaneous.....

Network, Security, Web

France

Other Projects

2015–Present

Detailed achievements:

- o Design and monitoring of a technological watch (on Information System) website : www.michelhappy.eu
- o Resolving exercises on Hacking : www.root-me.org

Self-employed

France

Teacher of extra lessons

2010–Present

As a part-time job, I give extra Science computer and Mathematics lessons to primary and secondary students.

Tedies

France, Auxerre

Summer job : Software developer

2012 (July - August)

Improving the application developed during the internship and updating - with HTML5/CSS and ASP.NET - the website of Tedies.

Skills

Network : BGP, OSPF, MPLS, DNS, DHCP, NAT, VLAN, VRRP, LDAP, ADSL, DSLAM, BAS, 3G, Active Directory QoS, Active Directory, VoIP.

Security : IPSec, Firewall, Modsecurity, Tripwire, Logwatch, ssh, RADIUS, IDS, 3DES, AES, RSA, El Gamal, Nikto, Nmap, Crunch, Medusa, Fail2ban, Ettercap, PKI, krbguess, Mimikatz.

Programming : PYTHON, PHP, JAVA, CSS, HTML, MATLAB, C#.NET, UML, VB.NET, Powershell, Bash, L^AT_EX.

Operating Systems : Linux, Microsoft Windows, Android.

Database management systems : MySQL, Microsoft SQL Server.

Mobility : Airwatch, Microsoft Intune, Office 365, Azure Active Directory.

Certification : Varonis Datadvantage and Dataprivilege basic installation

Languages

French : Mother tongue

English : Advanced

BULATS : Speaking (C1+) and Writing (C1)

Interests

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| - Music | - Theater |
| - Cooking | - Reading |
| - Running | - Bicycle |
| - Travel | - Cinema |