

Vanzaghi Axel

SECURITY ANALYST

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Experience

NBS System

Nantes, France (working from home)

SECURITY ANALYST

Jan. 2021 - Now

- Maintaining high security level for over 5000 machines, hosting from eshop website to full enterprise information system, with infrastructure and application review.
- Maintaining and upgrading an internally developed SIEM to help with the global security, as well as the open source WAF NAXSI to help protect web applications
- Done 2 web forensics analysis for our client after they had a breach (one payment skimmer and one gitlab data loss)
- Done a full Fortigate firewall configuration review containing over 130 rules
- Technologies : Golang, Kubernetes, Terraform, AWS, ElasticSearch, Grafana, Kafka, NGINX, NAXSI

Ecole Internationale des Science du Traitement de l'Information (EISTI)

Pau, France

C++ TEACHER

Feb. 2017 - May 2017

- Taught C++ basics to a 30 students class in computer science engineering school

Viveris Technologies for Airbus Defence & Space

Toulouse, France

SECURITY SYSTEM ENGINEER

Sept. 2015 - Sept. 2020

- Development of a test bench for national file gateway using FTP/SFTP to automate and accelerate testing. Integrated in Jenkins for CI.
- Automating installation for unidirectional file gateway, to make it easily installable and configurable by technicians.
- Exportable file gateway system development and automation with low level container for security.
- System hardening for exportable file gateway with OpenSCAP to enforce security at installation.
- Adapting national file gateway to be run in virtual machines, with virtualization of hardware modules.
- Software integration in Terraform like proprietary software for deployment on 3 redundant worker nodes and 2 redundant database nodes.
- Technologies : Python, Bash, RedHat/CentOS RPM, LXC, OpenSCAP, SoftHSM, PostgreSQL, Heartbeat/Pacemaker, DRBD

Internship

Toulouse, France

VIVERIS TECHNOLOGIES

Apr. 14 - Aug. 2014

- Installation of a private cloud, directly operated by developers.
- Used for the development and production of around 10 projects on 2 worker nodes
- Technologies: Openstack Juno (Nova, Neutron, Swift, Horizon), Debian 7

Open Source

My projects on github

- Brainfuck (an esoteric programming language) interpreter written for a CodingGame challenge, adapted for CLI use
- Fake HTTP server to log request made from a server, can be used in SSRF attacks
- IP tester to get geolocation and reputation for IP addresses, used daily in my work for whitelisting process
- Serverless bank account manager, which can be used to do basic money management, primary goal is to learn AWS serverless services
- Simple SSH honeypot that handles a correct SSH session but always responds password is wrong while logging credentials tried
- Technologies : Golang, Python, AWS (API Gateway, Cognito, Lambda, Aurora, CloudWatch), vanilla HTML/JS

Skills

Programming Languages Bash, Python, Golang, C, C++, Java

Technologies Network protocols, Docker, Kubernetes, AWS for virtual infrastructure and security, Linux, Terraform

Languages French (Native speaker), English (Professional working proficiency)

Education

École Internationale des Sciences du Traitement de l'Information (EISTI)

Pau, France

COMPUTER SCIENCE ENGINEERING SCHOOL DIPLOMA (MASTER'S DEGREE)

Oct. 2015

Interests

Music Electric Guitar, played in a band

Videogames Retro gaming lover, former streamer

Offensive Security Casually breaks things in Hack The Box (2 easy boxes hacked), profile : axellink#290096