Aurélien DUBOC
DevOps/SRE Engineer | Cybersecurity enthusiast

 github.com/zteeed   www.duboc.xyz   root-me.org/zTeeed-115405   hackthebox.eu/profile/190724
 Paris, France   @ aurelienduboc96@gmail.com   Nationality : French

☰ SKILLS

DevOps :	Kubernetes, Helm, Docker, Consul, Vault, Flux, Terraform, Ansible, Gitlab CI, Grafana, Prometheus, Icinga
	AWS GCP OVH 3DS OUTSCALE
Network :	Cisco IOS network filtering, SSL VPN tunnels, LB, HIDS, IDS, IPS, SIEM
	wazuh ELK stack
Web security :	SQL injection, Xpath injection, LDAP injection, RCE, RFI, XSS, CSRF, obfuscation and escape…
	dirb gobuster beef wfuzz burp suite sqlmap

💼 PROFESSIONAL EXPERIENCE

Now
Jun 2021

SRE/DevOps Engineer, QUICKSIGN, France
> Stabilize and improve cloud infrastructure (OVH Private Cloud + Google Cloud Platform)
> Improve the CI / CD chain
> Monitor and ensure the reporting of DevOps projects
> Set up monitoring and good usability solutions as well as capacity planning monitoring
> Ensure the technological watch / proposal of choice for the technologies to use
> Lead technical change projects as well as current infrastructure
> Manage the transition from POCs to production

Terraform   Helm   Kubernetes   Flux   Ansible   Prometheus   Grafana   Icinga   Gitlab CI   Kafka   Python

Jun 2021
Jun 2020

Cloud Securiy Engineer, OUTSCALE, France
> Improve hardware/software inventory for vulnerability checks and security monitoring.
> Manage automation of vulnerabilities treatment for SOC team building a custom Natural Processing Language model binded with CVE rss feeds and OCSInventory (developing custom plugins)
> Build several security challenges, deploying infrastructures and services using Terraform/Ansible
> Improve security alerts by configuring Kibana watchers about logs coming from Outscale API (which is AWS compliant) via a rsyslog stack, also by improving Wazuh rules

Terraform   Ansible   Saltstack   spacy   elasticsearch   ejbca   painless   Gitlab CI   ocs   jira   cocalc   Python   Perl

Jun 2019
Sep 2019

Security Engineer Intern, NEXTER, France
> Working on CAN protocol, Vector CANoe software, Vector CAN Disturbance Interface VH6501.
> Build a software (Python) driving CANoe through a COM API, making scenarios of cyber attacks, analyzing vulnerabilities of CAN bus architecture.

Python   cantools   win32com   Git   Windows system

Jun 2019
Jun 2018

Full stack developper, IMT, France
> Three-month internship followed by a one-year part-time contract for developping web applications.

Python-Flask   PHP   Javascript   Git   PostgreSQL   CentOS Linux system

💼 VOLUNTEER EXPERIENCES

Now
Sep 2017

President/Member of HackademINT, TELECOM SUDPARIS CYBERSECURITY CLUB, France
> Presidential function for 1 year from April 2018 to April 2019, planning weekly cybersecurity training.
> Designed the club network and system infrastructure.
> Participation in competitive challenges (Capture The Flag) accross France and online.

CTFd   RootMe   HackTheBox   OverTheWire   DELL C6100   DELL R710

Apr 2019
Apr 2018

Web Manager at MiNET, TELECOM SUDPARIS INTERNET SERVICE PROVIDER ASSOCIATION, France
> Extended IT management : Servers, switches, routers, NAS and Deployment of WiFi and Ethernet enterprise network for about 1,000 members of the TELECOM SudParis campus

Cisco   Angular6   WLAN Controller

🎓 EDUCATION

> Master of Science | Major in systems and network security | IP Paris / TELECOM SudParis University

🖥 PROJECTS

JUPYCLOUD   2021
Developing a JupyterHub CloudSpawner which enables JupyterHub to spawn single-user notebook servers in a Virtual Machine (on AWS, GCP, Azure or on premise) thanks to Terraform or Boto3

`JupyterHub` `Kubernetes` `DockerSwarm` `Terraform` `Packer` `Ansible` `Python`

TRADDE   2020-2021
Developing the backend and building a scalable and resilient infrastructure for a French platform connecting independent sales agents and companies.

`Terraform` `Ansible` `GitlabCI` `Python-Tornado` `Motor` `MongoDB` `AWS` `S3` `LambdaEdge` `ApiGW` `ECR` `ECS` `Lambda` `Fargate` `VPC`

NEWNORMAL - UK COMPANY   2020
Developing an IoT software with RPi images to manage ad spaces on hand sanitizer dispensers

`Node.js` `MongoDB` `Bash` `RPi`

POC ON ANTI-SPAM PROTECTIONS OF ONLINE PAYMENT SYSTEMS   2019-2020
Scaffolding of a distributed attack POC via a server cluster targeting online ticket counters bypassing the anti-spam protections of online payment systems for the purchase of bulk tickets.

`Java` `Python` `Docker` `Swarm` `Selenium`

ROOTME API USING DISTRIBUTED COMPUTING WITH QUEUE MANAGEMENT SYSTEM   2019
This async API is parsing with lxml the website RootMe which deals with cybersecurity challenges in order to help developpers to use the data from this website. The data is stored by workers instance in redis streams.

`Python-Tornado` `Docker` `Redis`

CISCO VLAN MANAGER   2019
This API and web application enable managing VLANs on cisco devices.

`Python-Netmiko` `Python-Flask` `Docker` `Redis`

EXPANDING A PROXMOX CLUSTER AUTOMATICALLY   2018-2019
Deploy virtual machines on specific subnet on which you can get ssh with LDAP credentials.

`Proxmox` `Ansible` `Qemu` `Bash`

DEVELOPMENT OF AN AUTOMATED IT SECURITY AUDIT TOOL IN A VIRTUALIZED ENVIRONMENT.   2018-2019
Automated audit of an active infrastructure with various network and personal services running with Proxmox hypervisor. Development of a logstash plugin for lynis

`Proxmox` `Ansible` `Lynis` `Elasticsearch` `Logstash` `Kibana` `LXC` `Qemu` `KVM`

SELF DRIVING CAR MADE IN ASSEMBLY   2018
The car follows a black line on a circuit. The master card manages the direction and interacts with a slave card which manages the display of the data

`assembly-language-programming`

RECOGNITION OF HANDWRITTEN SIGNATURES ADXL335   2016-2017
Authentication of handwritten signatures without taking out the big mathematical tools.

`Arduino` `Python` `PostgreSQL`

🖥 AWARDS

COMPETITIVE HACKING - CAPTURE THE FLAG (CTF) - ITC HACKING COMPETITION   2018 -
> TOP 13/100 at BreizhCTF2022 - 500 participants gathered all night for 12 hours in Rennes (02/04/2022)
> 1st place at HackSecuReims 2020 - CTF organized for students (100 people), 600€ of cashprize for the winners (07/02/2020)
> TOP 5/95 at Tracs2019 - DGSE (French CIA) Intelligence and Analysis Tournament (14/12/2019)
> 2nd place on site at InsHack2019 - CTF organized by the INSA Lyon university (70 people) on site (02/05/2019)
> TOP 7/60 at BreizhCTF2019 - 500 participants gathered all night for 12 hours in Rennes (12/04/2019)
> 1st place at Mars@Hack - Event and Capture The Flag competition organized by the French Air Force with 1000€ of cashprize for the winners with a coin of the Cyber Defense Command (08/03/2019)
> 1st place at HackSecuReims 2019 - CTF organized for students (100 people), 600€ of cashprize for the winners (01/02/2019)
> 1st place at WaveStone Cybersecurity Night Out - CTF organized by WaveStone (19/12/2018)

`CTF` `Team T35H` `Team HackademINT` `Reims` `Lyon` `French Air Force` `Mont de Marsan` `Paris` `ctftime.org/team/45998`