Guillaume Dedrie

SRE / DevOps



Introduction

I am a qualified Site Reliability Engineer with over 10 years experience involving agile software development practices and DevOps philosophy in a field where security is the top one priority.

Pragmatic with a strong team spirit, I also like to think out of the box and love to learn new things.

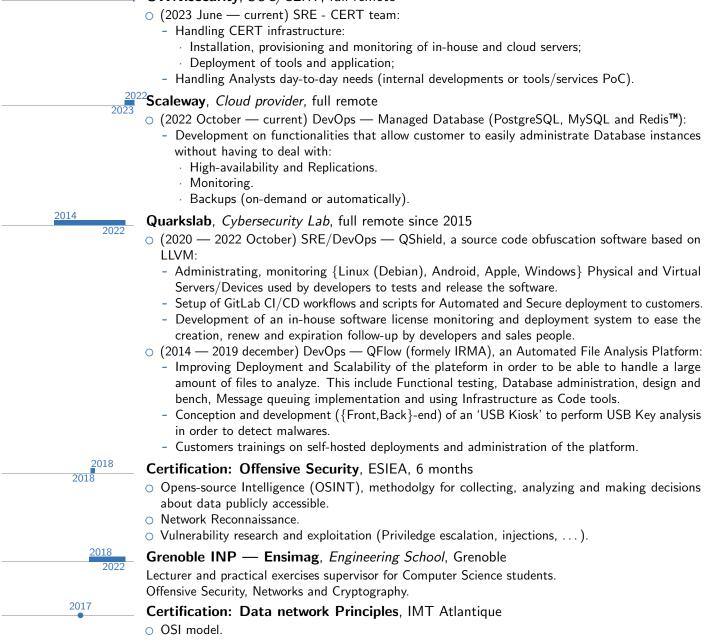


600 OWN.security, SOC/CERT, full remote

- without having to deal with:
- - Administrating, monitoring {Linux (Debian), Android, Apple, Windows} Physical and Virtual

 - creation, renew and expiration follow-up by developers and sales people.
- - amount of files to analyze. This include Functional testing, Database administration, design and bench, Message queuing implementation and using Infrastructure as Code tools.

O Network Protocols (IP, TCP, ...) and routing. Certificate: https://www.fun-mooc.fr/cert/GVdO89/



2013

Theodo, Service Company, Paris

- Web Developer and DevOps
 - Frontend and Backend engineer for Web applications using Scrum methodology and TDD.
 - IT Administration, following DevOps philosophy.

2010 2013

STMicroelectronics, Semiconductor manufacturer, Crolles

- Software Engineer
 - Development of CAD Tools for analog and digital components (IO, memory, IP).
 - Regression testing for production.

Skills

Technical Knowledge

Programming: Python, Javascript. Scripting: Bash, PowerShell.

Databases: PostgreSQL, MySQL, Redis, Elasticsearch, SQLAlchemy.

Back-End: FastAPI, Redis (Cache), RabbitMQ (Celery), OpenTelemetry.

Observability: Grafana (Dashboard, Agent, Loki), Prometheus, Sentry, Kibana.

laC: Ansible, Packer, Terraform, Vagrant. Scalability: Consul, HAProxy, Traefik.

SysAdmin: Linux/Windows/macOS, QEMU/KVM, {ip,nf}tables, configuration hardening.

Public Cloud: Scaleway, AWS.

Network tools: Wireshark/tcpdump, Masscan/Nmap, Scapy, Netcat/Socat. Offensive tools: Metasploit, Burp Suite, SQLMap, Hydra/Patator, Hashcat.

Misc: Arch Linux, Git, Vim, LATEX.

Work Methodologies

Pomodoro technique, Test Driven Development, Scrum, PDCA, A3 Thinking

Foreign Languages

French: Native language English: Business level (TOEIC: 955/990)

2010

Education

Engineer's Degree, Information Systems Engineering, Grenoble INP — Ensimag, Grenoble

- Complex systems architecture.
- Code Analysis for Safety and Security.
- Telecommunications.
- Object relational database management system.

2008 2010

Higher National Diploma in Computer Science, University Institute of Technology, Orléans

- Software Architecture and development.
- O Database.

Regular Talks

March 2019 **Presentation: "DevOps et projet IRMA" (French)**, Ensimag Tech Meetup, Grenoble https://drive.google.com/file/d/1DMVJebbHYiCOluBxJZXJyd1NFbiG2Ulx/view?usp=sharing

February 2017 Presentation: "A trip through the security of DevOps tools", DevSecCon Asia, Singapore

https://www.devseccon.com/asia-2017/session/a-trip-through-the-security-of-devops-tools/

November 2015 Workshop: "Improve IRMA", GreHack, Grenoble

https://grehack.fr/2015/workshops

June 2015 **Presentation: "IRMA: Incident Response and Malware Analysis"**, *SSTIC*, Rennes https://www.sstic.org/2015/presentation/irma_incident_response_and_malware_analysis/

May 2015 Lab: "Adding a probe to IRMA", HITBSecConf, Amsterdam https://conference.hitb.org/hitbsecconf2015ams/sessions/lab-irma-framework/

Leisure activities

Mountain Sports (Hiking++, Trail, Skiing, Alpinism), Muay Thaï.

Since 2009 Volunteer, French Red Cross

First-Aid Teacher. I also assist competitors or spectators during sports competitions, concerts, or in case of disasters.

Last update: November 19, 2023