Guillaume Dedrie
SRE / DevOps

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Nationality: French
Age: 34

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.

Education

2018

Certification, *Offensive Security*, ESIEA, 6 months
- Opens-source Intelligence (OSINT), methodolgy for collecting, analyzing and making decisions about data publicly accessible.
- Network Reconnaissance.
- Vulnerability research and exploitation (Priviledge escalation, injections, . . .).

2017

Certification, *Data network Principles*, IMT Atlantique
- OSI model.
- Network Protocols (IP, TCP, . . .) and routing.
Certificate: https://www.fun-mooc.fr/cert/GVdO89/

2010
2013

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.
- Database.

Skills

Technical Knowledge

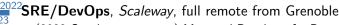|			
Programming:	Python, Javascript.	Scripting:	Bash, PowerShell.
Databases:	PostgreSQL, MySQL, Redis, SQLAlchemy.		
Back-End:	FastAPI, Redis (Cache), RabbitMQ (Celery), OpenTelemetry.		
Observability:	Grafana (Dashboard, Agent, Loki), Prometheus, Sentry.		
Infrastructure as Code:	Ansible, Packer, Terraform, Vagrant.	Scalability:	Consul, HAProxy, Traefik.
SysAdmin:	Linux/Windows/macOS, QEMU/KVM, {ip,nf}tables.		
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)

Professional Experiences

2022
2023

SRE/DevOps, *Scaleway*, full remote from Grenoble

○ (2022 October — current) Managed Database for PostgreSQL and MySQL and Managed Database for Redis™

 - Development on functionalities that allow customer to easily administrate Database instances without having to deal with:
   · High-availability and Replications.
   · Monitoring.
   · Backups (on-demand or automatically).

2014
2022

SRE/DevOps, *Quarkslab*, full remote from Grenoble since 2015

○ (2020 — 2022 October) QShield, a source code obfuscation software based on LLVM:
 - Administrating, monitoring {Linux (Debian), Android, Apple, Windows} Physical and Virtual Servers/Devices used by developers to tests and release the software.
 - Setup of GitLab CI/CD workflows and scripts for Automated and Secure deployment to customers.
 - Development of an in-house software license monitoring and deployment system to ease the creation, renew and expiration follow-up by developers and sales people.

○ (2014 — 2019 december) QFlow, an Automated File Analysis Platform:
 - Improving Deployment and Scalability of the plateform in order to be able to handle a large amount of files to analyze. This include Functional testing, Database administration, design and bench, Message queuing implementation and using Infrastructure as Code tools.
 - Conception and development ({Front,Back}-end) of an 'USB Kiosk' to perform USB Key analysis in order to detect malwares.
 - Customers trainings on self-hosted deployments and administration of the platform.

2018
2022

External lecturer, *Ensimag*, Grenoble

Lecturer and practical exercises supervisor for Computer Science students.
Offensive Security, Networks and Cryptography.

2013
2014

Web Developer / DevOps / Agile, *Theodo*, Paris

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

2010
2013

Software Engineer, *STMicroelectronics*, Crolles

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

2009
2010

Web Developer (Internship), *Secouristes du Loiret*, Saint-Jean-de-la-Ruelle

○ Analysis and deployment of an extranet application for the volunteers (63000 in France).
○ Support, maintenance and development of addons.

Regular Talks

March 2019 — **Presentation: "DevOps et projet IRMA" (French)**, *Ensimag Tech Meetup*, Grenoble
https://drive.google.com/file/d/1DMVJebbHYiCOIuBxJZXJyd1NFbiG2UIx/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.

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