

Jacob Dufossé - Junior Cybersecurity Engineer | Network Automation & Security

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Saint-Paul, Réunion (France) | Open to relocation or remote work across time zones

Professional Summary

Junior cybersecurity engineer with **1+ year hands-on experience at Orange Réunion**, after **12+ years in creative technology (Montreal, Australia, France)**. Trained by **Orange CyberDefense** (Palo Alto NGFW, Panorama, IPS/IDS). Strong Python automation skills for threat detection. Early AI-assisted development adopter. → Pursuing a Master's in Network & Security (2025–2027, fully remote). Open to part-time/apprenticeship roles (2w work / 2w study), **or full-time positions — with flexibility to defer studies for the right opportunity**.

Education

- **Master's in Network & Security** (2025-2027) | University of Reims, France
 - **Bachelor in Network & Telecommunications - Cybersecurity Track** (2023-2025) | University of La Réunion, France | **Graduated Top of Class** | ANSSI SecNumEdu certified
 - **Bachelor of Arts in Design and Visual Experience** (2006-2009) | Université du Québec à Montréal, Canada
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Experience (Full details and additional roles available on [LinkedIn](#))

Junior Network & Security Engineer | Orange Réunion | Sep 2024 – Present • *Trained by Orange CyberDefense* •

Admin Palo Alto firewalls (PAN-OS, Panorama), SSL/TLS, L2 incident response • Built Python tools for dynamic threat intelligence (IOC, EDL, IP lists) • Conducted threat log analysis and reporting • Tuned IPS/IDS, DoS protection, traffic and threat log analysis (Grafana, Loki, Centreon) • Managed Cisco, Juniper, Fortinet devices, network flows, documentation

Cybersecurity Intern – Governance & Pentesting | SOOBIK Solutions | Apr - Jul 2024 • Conducted internal audit and led documentation for French “ExpertCyber” certification (aligned with **ISO 27001, NIST, PASSI standards**) •

Performed basic web application pentesting (**OWASP Top 10**, Burp Suite, Kali Linux)

Immersive Media Consultant & technical expert | **Freelance (France & Canada) — 2009–2017** • Creative coding (nodal environments, Python, Arduino), interactive prototyping, technical direction

Skills

Production Environment: Palo Alto Networks (NGFW, Panorama, ATP), Fortinet • Python automation & API integration, Bash scripting • Palo Alto IPS/IDS, Centreon, threat intelligence APIs • TCP/IP, SSL/TLS, routing, VLANs, BGP • GitLab, version control, audit trails • AI-assisted software development

Academic/Lab: Wazuh SIEM, CrowdSec, OPNsense, VMware ESXi, N8N SOAR, TheHive & Cortex (incident response), Linux (advanced), SQL/PostgreSQL • **Currently Learning:** GitOps, Terraform, Ansible, AWS/GCP security frameworks

Projects (more detailed projects available at: [jacobdufosse.dev](#))

Python Threat Intelligence Tool (Production) | Orange Réunion – 2025 • Reduced threat analysis time from hours to <10 minutes • Automated IP blocklists generation with scoring and forensics

Googlebots Automation (Production) | Orange Réunion – 2025 • Eliminated manual firewall maintenance (1-2 hours/week → 0) • Automated IP whitelisting with Python, Palo Alto EDL, GitLab CI

Open Source SOC Infrastructure (Academic) | **IUT La Réunion – 2024** | Enterprise-grade SOC

Certifications

Rice University Python Programming (2024) • Google IT Security & Infrastructure (2023) • ANSSI Cybersecurity MOOC (2023) • SQL/PostgreSQL Database Management (2023)

Additional Information

Languages: French (Native), English Fluent (C2 Professional proficiency - 12+ years international experience)

Interests: Emerging technologies (quantum computing, AI, cybersecurity), global affairs, yoga instruction (10+ years)