



Razvan-Ioan Petrescu

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Work permit: Spanish, Romanian **Date of birth**: 12/01/1990 **Place of birth**: Sebes, Alba, Romania **Nationality**: Romanian

ABOUT ME

Infrastructure & Security Architect with 14+ years of experience in Linux, DevOps, cloud and cybersecurity. Skilled in designing resilient, secure infrastructure and automating at scale - spanning on-premises, AWS, GCP, Kubernetes, SIEM/SOAR systems, and CI/CD pipelines. Proven track record in banking, stock exchange, industrial and national infrastructure environments.

WORK EXPERIENCE

Bitdefender S.R.L.

City: Bucharest | **Country**: Romania

[31/05/2021 – 31/12/2024]

Senior Infrastructure Engineer

- Orchestrated full AWS to GCP migration of mission-critical systems, achieving HA and cost-efficiency.
- Designed and managed multi-cluster Kubernetes (on-prem + GCP), implementing auto-scaling, CI/CD
- Designed and implemented an internal solution for preventing DNS subdomain takeover
- Implemented WAF and host-based FIM on hybrid infrastructure; integration with Splunk, Wazuh, Elastic
- Configured centralized backup (Veeam) and monitoring (Zabbix, Grafana) with automated workflows for audit and compliance.
- Acted as technical lead & advisor for cloud infra, security posture & team mentoring.
- Manage AWS EC2, RDS and Lambda
- Design new infrastructure updated to latest technologies (Security and Automation)
- Manage multi-cloud infrastructure using Ansible
- Develop security solution for DNS subdomain takeover (integration with all major providers)
- Cloud WAF implementation and optimization
- Deploy HA Kubernetes on-prem cluster
- Cloud providers management: AWS, GCP (VM, LB, S3, Filestore, WAF etc.)
- Web servers and reverse proxy tuning: Nginx
- Virtualization and Backup: VMware with Veeam
- Infrastructure monitoring and capacity overview: Zabbix, Grafana
- Manage Nvidia DGX

Technologies: AWS, GCP, Linux, Splunk, Kubernetes, Ansible, Terraform, Zabbix, Grafana, Bash, Python, Ruby, Wazuh, Elastic, GitLab, Nvidia DGX

Secureworks S.R.L.

[01/2021 – 06/2021] **Senior Advisor, Network Systems Management**

- Managed enterprise-scale Splunk SIEM cluster; improved performance, retention, search & alerting.
- Developed detections for brute-force logins, impossible-travel events, EDR alerts.
- Automated data ingestion via Python scripts and integrated third-party logs (EDR, WAF, DNS).
- Defined SIEM architecture best practices and optimized data pipelines for security analytics.
- investigate possible security issues
- Upgrade Splunk plugins to desired python version
- Integrate Splunk with different service vendors
- Lead Splunk team assigned to client

Technologies: Splunk, Python, Linux, Windows, Security Automation, ServiceNow

ZIPPER SERVICES SRL

City: Bucharest | **Country:** Romania

[02/2019 – 12/2020] **Senior Infrastructure Engineer & Infrastructure Pentester**

- Research new technologies, design, test, implement and manage all phases of internal projects
- Lead Linux team
- Proactive monitoring and troubleshooting problems in working hours and also on call
- Reduce business impact by pro-actively monitoring, troubleshooting and quick reaction
- Implement infrastructure monitoring system with automatic deployment of agents (Prometheus, Grafana, Ansible)
- Automate network devices configuration change for different vendors
- Implement SIEM with Windows filesharing auditing and Linux FTP auditing and Port Mirror as mai focus
- Implement Virtual Machines automated backup with Veeam
- Build custom automatic backup for network devices from different vendors
- Build Dell EMC ECS custom auditing tool based on Kibana + Elasticsearch
- Architected and deployed secure CI/CD/CS pipelines using GitLab, Ansible Tower, Nessus Pro.
- Built custom dashboards in Elastic for log correlation and SOC notifications.
- Conducted internal pen-tests (infrastructure, web apps); generated reports and remediation pipelines.
- Automated deployment of monitoring agents with Ansible and Prometheus; improved observability.

Technologies: GitLab, Ansible *Tower*, *AlienVault*, *Splunk*, *Nessus Pro*, *Elastic*, *VMware*, *Bash*, *Python*, *Veeam*

SMART-X NET APP

City: Bucharest | **Country:** Romania

[02/2016 – 03/2019] **Infrastructure Engineer**

- Maintain, configure, install, upgrade and plan multi-datacenter infrastructure using Ansible Tower
- Implement Check_mk automated tasks on desired monitoring events
- Design and implement Vault cluster with Consul
- Build WAF solution based on Nginx
- Implement deployment tools for faster servers management and deployment
- Manage and upgrade MongoDB databases and MySQL (Master - Relay - Slave architecture)

- Design and implement VPN with HA for all users around the world with ACLs
- DR planning and test solutions to assure best timing

Technologies: MySQL, OpenVPN, L2TP, IPSEC, DNS, Cisco, nginx, OpenStack, OpenNebula, MongoDB, Vault and Consul by Hashicorp, DDOS protection, WAF, Check_mk

Holzindustrie Schweighofer SRL

City: Sebes, Alba | **Country:** Romania

[12/2014 – 03/2016] **Infrastructure Engineer**

- Design and implement a monitoring infrastructure system including sensors to datacenter correlation and industrial robots
- Manage industrial robots with whole infrastructure including backups and high availability
- Implement secure video-monitoring system
- Implement remote management and access for infrastructure (Client-Server VPN using Cisco ASA)
- Manage multi-vendor network infrastructure
- Manage VmWare clusters

Technologies: ActiveDirectory, DHCP, IIS, MySQL, MS-SQL, OpenVPN, L2TP, IPSEC, DNS, Cisco, HP, Mail, nginx, VmWare, Veeam One, Bitdefender, Symantec, Forefront

Sibex Sibiu-Stock Exchange

City: Sibiu | **Country:** Romania

[02/2014 – 01/2015] **System and Network Engineer**

- Configure, maintain and install Linux servers for Stock Exchange Apps
- Secure network for unauthorized access
- Implement MySQL database master-slave architecture
- Create availability maps using NagVis

Technologies: Linux, Nagios, iptables, Samba, MySQL, SVN, OpenVPN, IPSEC, DNS, Cisco, Dell, BGP, Mail (zimbra), apache, tomcat, VmWare, Bitdefender

Apulum Technologies S.R.L.

City: Alba Iulia | **Country:** Romania

[03/2013 – 02/2014] **System and Network Administrator**

- Building a mini-datacenter on premises
- Lead development team
- Manage AWS VPC, EC2, RDS, WAF, Route 53
- Implement Nagios for in-house monitoring
- Implement Dynatrace for application monitoring

Technologies: ActiveDirectory, Linux, DHCP, iptables, IIS, MySQL, MS-SQL, TFS, OpenVPN, L2TP, IPSEC, DNS, Juniper, HP

"1 December 1918" University of Alba Iulia

City: Alba Iulia | **Country:** Romania

[11/2011 – 04/2013] **System and Network Administrator**

- *plan, configure, manage and install network equipments, servers, conferencing systems*
- *create network diagram for all university buildings with connection between them*

EDUCATION AND TRAINING

[2012 – 2014] **Master's in Advanced Programming & Databases**

"1 December 1918" University of Alba Iulia

City: Alba Iulia | **Country:** Romania |

[2009 – 2012] **Bachelor's in Computer Science**

"1 December 1918" University of Alba Iulia

City: Alba Iulia | **Country:** Romania |

LANGUAGE SKILLS

Mother tongue(s): Romanian

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Italian

LISTENING A1 READING A1 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

Spanish

LISTENING A1 READING A1 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DRIVING LICENCE

Cars: B1

Cars: B

Cars: BE

Trucks: C1

Trucks: C1E

Trucks: C

Trucks: CE

JOB-RELATED SKILLS

Technical Skills

- Linux Engineering (Red Hat, Ubuntu, Debian, BSD, AIX)
- Kubernetes & Docker at scale (EKS, GKE, on-prem clusters)
- Infrastructure as Code (Ansible, Terraform, SaltStack)
- Public cloud (AWS, GCP, OVH, Proxmox, OpenStack)
- Monitoring: Zabbix, Prometheus, CheckMK/Nagios, Grafana
- DevSecOps Pipelines (GitLab CI, Docker Hub, Git, Helm)
- Security hardening, patch automation, WAF, IDS, EDR
- SIEM/SOAR: Splunk, Wazuh, AlienVault
- Virtualization: Proxmox, VMware
- Scripting: Bash, Python, ruby

Soft Skills

- Solution-driven mindset and hands-on leadership
- Able to translate business needs into resilient architectures

- Trusted advisor for infrastructure, security, and automation strategies
- Team mentor with focus on respect and trust
- Speaker at technical conferences (Security Espresso, OpenThreat)

CONFERENCES

[04/2018] **iptables rules to scale at Security Espresso**

Link: <https://securityespresso.org/security-espresso-0x0f>

[2015 – 2018] **OpenThreat.ro by UAB organizer**

PROJECTS

Private contracts

[2022 – Current] AWS Infrastructure & DevOps Consultant for UK fintech

Technologies: AWS, Ansible, Gitlab, Docker, Kubernetes, Grafana, Wazuh, S3, Lambda, CloudFormation, IAM, VPC, EC2, RDS, WAF, CloudWatch, SNS, SQS

[2024 – 2025] Senior Technical Consultant at Moldovan bank

Technologies: Oracle Linux, RedHat, Bitbucket, Ansible, Detica

[2024 – 2025] Helm developer to a European agency

Technologies: Helm, Docker, Docker compose, Kubernetes, RKE2, RKE

[2023 – 2025] L3 Team/Technical Leader, Italian bank

Technologies: Ansible (AAP), Gitlab, Docker, Kubernetes, Grafana, Prometheus, Detica, CRIF, EDR, Nessus, Samba, SSSD, RedHat, Ubuntu, Debian, Broadcom API Gateway, AntiFraud, VMware, vSAN, vCenter, wildfly

[2023 – 2024] Security Consultant to a European agency

Technologies: Nessus PRO, Wazuh, EDR, WAF, CloudFlare, Ubuntu, Debian

[2022 – 2023] *Presales Technical Consultant in Romanian HPC data center*

Technologies: Nvidia DGX, Kubernetes, vCloud, vCenter, ESXi, NSX-T, vSAN, vSphere, VMware, VMware Tanzu

[2020 – 2022] *Senior Infrastructure/DevOps Consultant at data archive company from Romania*

Technologies: Ansible, Gitlab, Docker, Kubernetes, Grafana, Prometheus, Splunk, CI/CD, Debian, Ubuntu, Nessus PRO, VMware, vSAN, vCenter, Nagios

[2020 – 2022] *AWS Infrastructure & DevOps for health-software provider*

Technologies: AWS, Ansible, Gitlab, Docker, Kubernetes, Grafana, Prometheus, S3, RDS, SNS, VPC

Open-source projects

- [EC2 backup - Script designed to backup EC2 using aws cli](#)
- [Log Generator for Graylog - Python application](#)
- [Various Ansible Roles](#)
- [imapsync Web App - Web interface for imapsync binary](#)
- [Graylog Log Generator - Python application](#)
- [Syslog Log Generator - Python application](#)

CERTIFICATIONS

[01/2026] **Certified Kubernetes Administrator (CKA)**

Link:

https://www.credly.com/badges/2c8bee43-d485-4214-8ff1-43de14c44918/public_url

[19/11/2025] **Linux Foundation Certified System Administrator (LFCS)**

Link: <https://www.credly.com/badges/742a036d-1ac0-4254-a90e-8c2763923e33>

[06/2025] **Developing Helm Charts (SC104)**

Link: <https://www.credly.com/badges/736a76f2-3d71-4a52-9761-4c4bcada5e08>

[03/2021] **Splunk Enterprise Certified Admin**

Link: <https://www.credly.com/badges/736a76f2-3d71-4a52-9761-4c4bcada5e08>

[12/2025] **AWS Well-Architected Proficient**

Link: https://www.credly.com/badges/dd1aa47b-2ed6-4691-b283-53f22458dc71/public_url

[12/2025] **AWS Knowledge: Amazon EKS - Training Badge**

Link: https://www.credly.com/badges/c55d9e83-5386-4dc2-b905-650ebd9894d4/public_url

[01/2026] **AWS Knowledge: Data Migration - Training Badge**

Link: https://www.credly.com/badges/61a68d5e-09b3-4df3-a0f4-8cd7bbc9185b/public_url

[06/2025] **Quantum Computing Essentials For Senior Leaders LFQ102**

Link:

https://www.credly.com/badges/8a2ff29c-deea-4135-a754-5d003dfbb709/public_url

[04/2025] **Understanding the EU Cyber Resilience Act CRA LFEL1001**

Link: <https://www.credly.com/badges/1178ad3b-b8d2-439d-b2ea-b030c9d10193>

[01/2021] **Splunk Core Certified Power User**

Link: <https://www.credly.com/badges/1178ad3b-b8d2-439d-b2ea-b030c9d10193>

[01/2021] **NSE 2 Network Security Associate**

Credential ID mb8L8zdOE1

[01/2021] **NSE 1 Network Security Associate**

Credential ID LF-yb502ttchk

[06/2025] **Introduction to Istio LFS144**

Link: https://www.credly.com/badges/a163b703-1aa5-4428-b24b-7ec718b7cee4/public_url

[06/2025] **Getting Started with OpenTelemetry LFS148**

Link:

https://www.credly.com/badges/fa69fc9f-0d4b-473d-b622-d97dfbb81955/public_url

BLOG ARTICLES

Wazuh SIEM/SOAR Implementation

<https://openthreat.ro/real-time-security-analytics-grafana-dashboard-integration-with-wazuh/>

VMware to Proxmox Migration

<https://openthreat.ro/cutting-costs-and-regaining-control-migrating-from-vmwareto-proxmox-ve/>

Automated Multi-OS Patch Management (Air-gapped)

<https://openthreat.ro/building-a-centralized-patch-management-workflow-for-multios-infrastructure/>

CI/CD & Continuous Security with GitLab and Nessus Pro

<https://openthreat.ro/designing-and-implementing-ci-cd-cs-infrastructure-usinggitlab-on-prem-and-nessus-pro/>