

# Andrea D'Amato

## Senior System Engineer

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### Summary

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Senior System/Cloud/Linux Engineer with 15+ years designing, automating, securing and scaling enterprise Linux and hybrid cloud infrastructures. Expert in RHEL/Rocky Linux, Ansible, Terraform IaC, Azure and vulnerability management. Consistent track record of operational excellence across 200-300+ server environments in finance, research and enterprise.

### Skills

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**Operating Systems:** Linux RHEL, Rocky Linux 8/9/10, Debian, CentOS, Oracle Linux, Ubuntu, Slackware, Solaris

**Automation, IaC and Configuration Management:** Ansible (AAP, Collections, Roles), Red Hat Satellite, Terraform

**Cloud Platforms:** Azure (AKS, FrontDoor, Apps, Networking), AWS (EC2, RDS, VPC)

**Containerisation:** Kubernetes, Docker, AKS

**Monitoring:** CheckMK, Zabbix, Grafana, Ganglia, ELK Stack, Logic Monitor

**Networking:** Fortigate Firewall, Barracuda Firewall, Extreme and Infiniband switches, OpenVPN, Wireguard, IPSec, VLANs

**Security & Vulnerability Management:** Qualys, Tenable Cloud, OpenVAS

**Virtualisation:** VMware ESX, KVM, Proxmox, Red Hat Cluster Suite, iSCSI SAN, TrueNAS

**CI/CD & Scripting:** Git, SVN, GitLab, GitHub, Forgejo, Azure DevOps, Bash, Python

### Experience

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**Senior System Engineer**, Unic – Remote

Dec 2024 – present

- Lifecycle & patch management of ~280 Rocky Linux 8/9 servers, maintaining ~99% uptime SLA
- Developing Ansible Collections/Roles for config management, reducing drift to near-zero
- Provisioning VM via Terraform on Proxmox and VMware, cutting deployment time by 50%
- Managing Azure estate: FrontDoor WAF, AKS clusters, Azure Apps & hybrid networking
- Component Owner for Barracuda Firewall: ruleset governance, hardening, maintenance and security audits
- Integrated Tenable Cloud across Linux & Windows estate for unified vulnerability visibility
- Also a member of the Operations team, ensuring smooth service delivery and providing L2/L3 support for business-critical infrastructure

**Senior Linux Administrator**, Hanseatic Bank – Hamburg, Germany

Jan 2024 – Oct 2024

- Owned 300+ server RHEL estate, fully automated via Ansible AAP & Red Hat Satellite
- Managed end-to-end Linux vulnerability & patch lifecycle ensuring regulatory compliance
- Deployed CheckMK monitoring dashboards; Qualys vuln scanning; ELK for log analytics
- Deployed XDR solution for endpoint & server threat detection, response & remediation on all Linux endpoints
- Collaborated with security team to remediate critical CVEs within SLA across the fleet

- Senior Linux & Infrastructure Administrator**, EMBL – Hamburg, Germany Jan 2015 – Jan 2024
- Designed & managed ~200 RHEL/Debian servers (physical & virtual) in research HPC environment
  - Built Ansible automation framework eliminating 80%+ of manual configuration tasks
  - Deployed Zabbix monitoring across all servers, services and network devices
  - Introduced OpenVAS & Fortigate IPS, hardening perimeter security posture
  - Administered VMware ESX 8 cluster with iSCSI SAN; led capacity planning & DR strategy
- Senior Linux & Cloud Administrator**, Open Reply – Milan, Italy Jan 2014 – Jan 2015
- Administered Linux environments (CentOS/Debian/Solaris) for enterprise clients
  - Managed AWS (EC2, RDS, VPC) with focus on cost optimisation & high availability
- Linux System Administrator**, Banca d'Italia – Rome, Italy Jan 2013 – Jan 2014
- Managed KVM virtualisation & Red Hat Cluster Suite for mission-critical PKI infrastructure
  - Ensured HA & security compliance for Italy's central bank internal systems
- Junior System Administrator**, Bytewise S.r.l. – Rome, Italy Jan 2009 – Jan 2013
- Administered Linux mail, web and firewall systems for multiple enterprise clients
  - Managed VMware ESX 5.1 on IBM BladeCenter: provisioning, maintenance & troubleshooting

## **Certifications**

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- AZ-104** – Microsoft Azure Administrator
- SAA-C03** – AWS Certified Solution Architect
- Terraform Associate 004** – HashiCorp Certified: Terraform Associate
- CKSA** – Certified Kubernetes System Administrator
- CKS** – Certified Kubernetes Security Specialist
- RHCE** – Red Hat 7 - Certified Engineer
- RHCA** – Red Hat 7 - Certified Administrator
- ENDP** – Network Defense Professional
- EJPD** – Junior Penetration Tester
- ECDFP** – Digital Forensics Professional

## **Education**

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- Liceo Scientifico Torricelli**, High School Diploma in Scientific Track – Rome, Italy 1999 – 2004

## **Languages**

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- Italian** – C2 (Native)
- English** – C1 (Proficient)
- German** – B2 (Upper Intermediate)
- Polish** – A1 (Beginner)