ANTONIO MARTINEZ

SYSTEMS ENGINEER - SPECIALIST IN: INFRASTRUCTURE, CYBERSECURITY AND AUTOMATION

Guadalupe, N.L. | acmer.mc@gmail.com | profile.ev1lc0rp.com | 812-586-2282

PROFESSIONAL PROFILE

A systems engineer with over 10 years of experience in infrastructure, cybersecurity, and automation, I'm an expert in Windows/Linux servers, deployments, cloud, containers, DevSecOps, and data protection. I began my career in 2010 as a Level 1 technical support technician, then in installations. Since then, I've led critical teams and projects, designing solutions that improve efficiency and reduce costs in highly demanding environments.

YEARS OF EXPERIENCE

- Infrastructure & Servers: 10+ years
- Cybersecurity: 10+ years
- Technical support: 15+ years
- DevSecOps / Automation: 6 years
- Cloud (Azure, AWS, GCP): 3 years
- Field Implementation: 7+ years

EMERGING AREAS EXPLORED:

- Artificial Intelligence: 1 year
- Quantum Computing TQEC: 5 months

WORK EXPERIENCE

AMAUTA CONSULTING - L2 SPECIALIST **JUNE 2024 - JUNE 2025**

- Led the implementation of hardening policies on Linux and Windows servers using Ansible playbooks and Terraform, automating compliance across more than 120 servers and ensuring alignment with Company policies.
- Reduced deployment times by 40% by designing Infrastructure as Code (IaC) modules with Terraform and automating provisioning and configuration with Ansible, enabling consistent multi-environment rollouts.
- Applied DevSecOps practices in containerized environments, embedding security scans and automated compliance checks within Docker images used in QA and production.
- Integrated Red Hat SSO, AMQ messaging, and identity management into existing applications, implementing secure OAuth2/OpenID Connect authentication and reducing unauthorized access attempts by 30%.
- Designed and maintained CI/CD pipelines (GitHub Actions, Jenkins) with automated security validations, secret management, and static code analysis, reducing production release risks and accelerating delivery cycles.
- Developed Ansible playbooks for patch automation and remote management across Linux and Windows servers, successfully deploying vulnerability remediation tasks to over 100 servers within SLA.
- Implemented Zero Trust policies, automated server hardening, and configured site-to-site VPNs via Ansible, improving overall security posture and reducing manual configuration errors.
- Deployed and tuned monitoring solutions (Prometheus, Grafana, Zabbix) to track critical services, integrating proactive alerts that reduced downtime incidents by 25%.

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WORK EXPERIENCE

DATAMOVIL SA DE CV - INFRASTRUCTURE LEADER **OCTOBER 2022 - JUNE 2024**

- Led an infrastructure team to deploy branch offices end-to-end, automating server and network hardening with Ansible playbooks and Terraform, ensuring consistent configurations across multiple sites.
- Managed Azure Cloud infrastructure and security, applying Azure Policies, RBAC, and automated deployments of services and databases with Terraform and Ansible, improving compliance and reducing manual effort.
- Oversaw and enforced security controls for branch offices, internal clients, and critical services, including firewall rule automation and periodic vulnerability patching.
- Coordinated internal application deployments by embedding security into CI/CD pipelines (Jenkins/GitHub Actions), implementing static code analysis, dependency scanning, and secrets management.
- Designed proactive monitoring and security strategies with Zabbix, Prometheus, and Grafana, reducing critical failures by 30% through early detection and automated alerting.
- Administered routers, firewalls, and switches across multiple branch offices, optimizing performance through automated configuration templates and continuous monitoring.
- Managed Active Directory (users, groups, policies, and permissions), automating provisioning with PowerShell scripts and Ansible modules, ensuring secure and consistent access management.
- Implemented backup and Disaster Recovery Plans (DRP) using automated job scheduling and encryption, ensuring rapid recovery from data loss and mitigating ransomware risks.
- Deployed secure remote access protocols (VPNs, RDP gateways, SSH bastions) for distributed teams, hardening authentication with MFA and certificate-based access.
- Collaborated with the ERP development team to implement DevOps pipelines, enabling automated builds, testing, and deployments for new ERP modules.
- Automated infrastructure provisioning for ERP environments (development, QA, production) with Terraform and Ansible, reducing environment setup times from days to hours.
- Led the migration of on-premise ERP infrastructure to Azure Cloud, designing landing zones, networking, and automated provisioning with Terraform and Ansible.
- Containerized ERP modules and supporting services using Docker and orchestrated deployments in Azure Kubernetes Service (AKS), improving scalability and reducing downtime.
- Automated database deployment and patching for ERP backends (SQL Server/MySQL) with Ansible playbooks and Terraform modules, ensuring consistent environments across dev, QA, and production.

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WORK EXPERIENCE

Roma Secova - Leader in Cybersecurity **MAY 2020 - AUGUST 2022**

- I managed and secured servers in the GCP and Azure cloud.
- Implemented and secured FTP, API, WEB, AD, DHCP and DNS services.
- I automated hardening on services, containers, Linux and Windows servers.
- I performed web, cloud, and traditional server pentesting.
- Managed identity security in Office 365 and hybrid cloud.
- Reduced critical server vulnerabilities by 70% by applying hardening.
- Executed automated penetration tests, remediating over 30 critical vulnerabilities.
- I designed and implemented monitoring schemes with integration to SIEM and CRM to improve incident detection.
- I implemented internal training in DevSecOps and container security.
- Led the migration of workloads to more robust environments by adding continuous monitoring, reducing false positives by 25%.
- Deployed Docker container environments for secure application testing before moving them to production.
- I integrated Ansible and Terraform into security processes to enforce consistent configurations across hybrid servers.
- Integrated automated scanners (Nessus, OpenVAS) into CI/CD pipelines.

VASSTER SOFTWARE SOLUTIONS - TI Leader **FEBRUARY 2019 - NOVEMBER 2021**

- I led a CCTV, network, access, and hardware support and monitoring team.
- Developed centralized monitoring systems for infrastructure and physical security.
- Coordinated security testing and deployment of cloud environments.
- I implemented CCTV monitoring with a 35% reduction in physical security incidents.
- Implemented firewall and network segmentation policies with automated hardening.
- I strengthened customer security with firewall enhancements and control and hardening.
- Deployed virtualized environments on Proxmox/Hyper-V with automation scripts for initial configuration.
- I integrated centralized logging systems to improve visibility and auditing of incidents.
- I optimized internal support processes by implementing remediation and preventive monitoring scripts, reducing repetitive tickets by 30%.
- I standardized backup and recovery processes with automated scripts, ensuring business continuity.
- I automated initial server configuration tasks with Ansible, reducing infrastructure deployment times.
- Designed and integrated a real-time alert system for critical infrastructure and physical security.
- Automated internal support processes with remediation and preventive monitoring scripts (Python + Ansible), reducing repetitive tickets by 30% and increasing operational efficiency.

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WORK EXPERIENCE

TEMPORARY PROJECTS

DevSecOps and Automation **During the period 2020 - 2024**

- Deployed test and production environments with KVM, Hyper-V and Proxmox.
- I implemented infrastructure as code that reduced project delivery times by 50%. It was a flow of CI/CD pipelines with Python, NodeJS, Ansible, and Terraform.
- I have delivered productive deployments for individual clients within short timeframes.
- Developed container orchestration solutions for internal application testing, reducing deployment times by 60%.
- Implemented monitoring systems with Prometheus and Grafana for visibility into virtual environments and containers.

Computer Security **During the period 2013 - 2024**

- Executed pentesting a Fortinet, Mikrotik using Metasploit, BeEF, CobaltStrike, SQL Injection.
- Configured and monitored network, Windows/Linux servers for forensics and pentesting projects.
- Mitigated over 150 critical vulnerabilities for clients across multiple industries.
- Prepared technical reports for management with feasible remediation plans.
- Trained internal teams in cyber hygiene, reducing incidents by 40%.
- I participated as a speaker at DEFCON Tijuana, addressing topics such as Malware and Ransomware.
- I performed security audits with automated tools (Nessus, OpenVAS, my own scripts) integrated into deployment pipelines.
- Built high availability environments (HA + NFS + Clustering with Proxmox) in client labs for resilience testing.

"Short-term projects (1 week to 4 months) for clients in government, industry, and logistics, on a freelance basis."

SKILLS

- Techniques: Infrastructure, Automation, DevSecOps, Cybersecurity, Cloud/Virtualization, Docker & Containers, Backend, Scripting.
- Soft: Team leadership, Results-orientation, Adaptability, Problem-solving, Effective communication and Empathy, Agile methodologies, self-taught, proactive.

EDUCATION

Computer Systems Engineer specializing in Network Architecture **2011 - 2016**

- FIME UadeC - Monclova, Coahuila

ADDITIONAL INFORMATION

- Languages: Intermediate English.
- Courses and/or Certifications:
- The Essence of Serving by Horux Business Consulting
- RedHat courses with Badges on Creadly.com, including RH294, RH124 v9.3, and RH134 v9.3.
- Azure and GCP Cloud with Badges on each platform such as AZ-104T00-A and Google Cloud SRE.
  - Scripting with Python, YAML and Powershell.
  - Solutions for Generative AI and LLMs
  - Purple Team Cybersecurity