

Nick Farrugia

DEVOPS INFRASTRUCTURE ENGINEER

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Bugibba, Malta

Infrastructure engineer with 8+ years across networking, systems administration, and cloud platform engineering. Currently automating GCP infrastructure at Altenar with Terraform, Ansible, and Python — owning containerised workloads, observability, and FortiGate-secured perimeters. Deep networking fundamentals paired with an automation-first approach to reliability and security.

CORE SKILLS

Terraform	Ansible	GCP	Docker	Kubernetes
Prometheus	Grafana	Python	Bash	PowerShell
FortiGate	Cisco / Mikrotik	IPsec / SSL VPN	Linux (RHEL/Ubuntu)	Windows Server / AD
Git / IaC	Vault	ISO 27001	TCP/IP / DNS	VMware / vCenter

EXPERIENCE

DevOps Infrastructure Engineer · Altenar

Mar 2024 – Present · St Julian's

- Reduced infrastructure provisioning time by **60%** with modular Terraform configurations and Ansible playbooks enforcing reproducible, version-controlled GCP environments across multiple regions.
- Drove patch compliance to **100%** across 10+ Windows servers via a Python-orchestrated Ansible pipeline with cross-region server pairing and automated rollback on failure.
- Cut mean time to detect incidents by deploying a Prometheus and Grafana observability stack with automated alerting, enabling SLI/SLO tracking and data-driven post-mortems.
- Accelerated deployments and enforced staging-to-production parity by containerising workloads with Docker and maintaining Kubernetes cluster configuration, resource policies, and rolling upgrades.
- Hardened secrets hygiene with Vault-based credential workflows and least-privilege IAM policies across all GCP services.
- Maintained **zero perimeter security incidents** managing FortiGate rulesets, DNS zones, and IPsec/SSL VPN gateways, all version-controlled via Bash automation.

Network Administrator · Smart Technologies Limited

Oct 2022 – Mar 2024 · Mosta

- Delivered network design, configuration, and hardening for **20+ client environments** on Fortinet, Mikrotik, Cisco, Aruba, and Ruckus — sub-4-hour average resolution on level 2–3 incidents.
- Supported ISO 27001 compliance for clients through quarterly security audits, infrastructure gap analysis, and prioritised remediation reporting.
- Eliminated exposure to critical CVEs by tracking vendor advisories and deploying firmware patches within 48 hours of disclosure — zero successful exploits across all managed environments.
- Designed resilient remote access with SSL and IPsec VPN solutions and redundant failover, sustaining **99.9% availability** across distributed client workforces.

IT Specialist · Simply VC

Nov 2020 – 2021 · Marsa

High-availability validator node infrastructure across 20+ proof-of-stake networks, running 24/7 with zero tolerance for unplanned downtime.

- Sustained **99.9% validator uptime** across 20+ networks with a Prometheus and Grafana monitoring stack, enabling sub-5-minute incident detection and response.
- Cut node provisioning from hours to under 20 minutes with Bash and Python deployment scripts that removed all manual setup and standardised new chain onboarding.
- Reduced operational toil by 40% by scripting token management, health checks, and governance workflows in Python.
- Maintained zero key-compromise events across a high-value validator estate through enforced secrets management, access control, and documented rotation procedures.

IT Support Specialist · Pronet Gaming

Aug 2021 – Oct 2022 · Bugibba

- Full IT infrastructure ownership for the Malta branch — 50+ endpoints, LAN, firewall, and security perimeter.
- Resolved 95%+ of level 1–2 tickets within SLA and authored runbooks that cut repeat incident volume by 20%.

Systems & Infrastructure Technician · Computime

Apr 2019 – Nov 2020 · Birkirkara

- Reduced reactive incident volume by 25% across the client base through automated weekly health checks and proactive preventive maintenance reporting for 10+ managed environments.
- Built PowerShell and Bash scripts automating recurring diagnostics, patch verification, and user provisioning across Windows Server and Linux.
- Administered Azure-hosted servers and Microsoft 365 Exchange tenants, supporting cloud migrations and identity management for multiple organisations.

Computer Engineering Assistant · Transport Malta

Apr 2016 – Sep 2018 · Paola

Early-career IT role covering LAN maintenance, hardware support, and web administration for a national government agency.

CERTIFICATIONS & EDUCATION

CERTIFICATIONS		EDUCATION	
LPIC-1 (101 / 102) · Linux Professional Institute	2020 – 2022	Advanced Diploma, Computer Systems & Networking (EQF 4) · MCAST	2015 – 2018
CCNA · Cisco	2021 – 2022	European Computer Driving Licence (ECDL)	2014 – 2018
Microsoft Certified Solutions Associate (MCSA)	2019 – 2020	School Leaving Certificate (EQF 3) · Savio College	2010 – 2015
IT Essentials · Cisco Networking Academy	2013 – 2014		

Maltese & English – native Driving licence: Category B References available on request