

KYRIAKOS PAPADOPOULOS

Senior Platform Engineer | Infrastructure & DevOps | Kubernetes & Network Specialist

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PROFESSIONAL SUMMARY

Infrastructure and platform engineer with 20+ years of experience across financial services, humanitarian operations, and space agencies. Specialized in designing highly available systems, network security, and modern cloud-native platforms. Recent focus on Kubernetes, GitOps automation, and multi-site infrastructure with BGP networking. Proven track record managing mission-critical systems processing trillions of dollars in transactions and supporting global humanitarian operations.

CORE COMPETENCIES

Platform & Infrastructure

Kubernetes / Helm
Cilium CNI / eBPF / ClusterMesh
Terraform / OpenTofu
Docker / Proxmox / VMware

Networking & Security

BGP / IPsec / IPv6
Cisco IOS / ASA Firewalls
F5 Load Balancers / HAProxy
HSM / mTLS / SPIRE

DevOps & Automation

GitOps (ArgoCD / Atlantis)
GitLab CI/CD / AWX
Prometheus / Grafana / Loki
Linux / Bash / Python

PROFESSIONAL EXPERIENCE

SWIFT System Engineer

Adyen — Amsterdam, Netherlands | Dec 2020 – May 2025

- Maintained and expanded SWIFT banking platform for global payments processing serving clients including Meta, Uber, and Spotify
- Implemented SWIFT products (SAA, SAG, SNL, HSM) on Linux, optimizing performance and security protocols
- Enhanced platform scalability to handle increased transaction volumes in 24/7 high-pressure environment
- Collaborated with banking department to align technical operations with financial requirements

Senior IT Infrastructure Lead

Médecins Sans Frontières (Doctors Without Borders) — Amsterdam | Apr 2019 – Mar 2020

- Led IT team designing and migrating infrastructure to Azure for global humanitarian operations
- Implemented cybersecurity measures protecting sensitive data across conflict zones and disaster areas
- Introduced comprehensive monitoring, logging, patching, and backup systems across international sites
- Managed application migrations with stakeholders, ensuring minimal disruption to medical operations

Network Engineer / Technical Support Engineer

SWIFT (Society for Worldwide Interbank Financial Telecommunication) — Leiden | Jul 2016 – Mar 2019

- Deployed and configured network solutions across global infrastructure processing trillions in daily transactions
- Troubleshoot complex network issues in backend systems, maintaining security and compliance standards
- Automated routine network tasks using scripting, increasing operational efficiency
- Provided expert support for Alliance Access, Alliance Gateway, SNL, and HSM technologies

Senior Network Engineer

Bitlibre — Hoofddorp, Netherlands | Feb 2013 – Jun 2016

- Designed and managed datacenter networks achieving 99.9% uptime
- Led troubleshooting of F5 load balancers, VPN tunnels, and leased lines
- Managed network monitoring tools (Rancid, OpenNMS), improving issue detection by 20%

Earlier Career

Systems Administrator — European Space Agency/ESTEC (2012–2013): Managed Solaris/Linux servers for mission-critical space applications

Systems and Network Engineer — Allshare (2011–2012): Redesigned banking infrastructure with focus on redundancy and security compliance

Lead Systems Administrator — Makios Logistics (2008–2010): Managed 24/7 infrastructure, reduced SLA costs by 30%

KEY PERSONAL PROJECTS

Multi-Site Kubernetes Platform with BGP Anycast

Designed and built a production-grade Kubernetes cluster spanning 4 European countries with personal ASN (AS214304) and /48 IPv6 prefix. Features include:

- 14-node HA cluster with Cilium CNI, eBPF networking, and ClusterMesh for cross-site connectivity
- Hybrid GitOps: Atlantis (OpenTofu) for platform infrastructure, ArgoCD for applications
- Enterprise observability stack: Prometheus, Grafana, Thanos, Loki with Hubble for L7 visibility
- Security: SPIRE-based mTLS service mesh, OpenBao secrets management, network policies

CERTIFICATIONS

CKA Preparation Course — Coursera, 2025

Network Automation Engineering Fundamentals

— Cisco, 2025

Microsoft Certified Professional (MCP)

SWIFT Alliance Products Training

TSIA Certified Support Professional (CSP-I)

IELTS (English Proficiency)

EDUCATION

Information Technology — Hellenic Open University

Computer Science — University of Sheffield (City College Thessaloniki)

Computer Systems & Networks Support — Vocational Diploma

LANGUAGES

English (Fluent) | Greek (Native) | Dutch (Elementary)