Panagiotis 'Pano' Georgiadis

Cloud & DevOps Engineer | M.S. Computer Science | Multi-Cloud Certified | CompTIA Network of Experts

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Professional Summary

Cloud DevOps Engineer driving enterprise transformation at Fortune 500 insurance company. MS in Computer Science (4.0 GPA) with 36+ certifications specializing in security-hardened multi-cloud architecture (AWS, Azure, OCI). Expert in zero-trust implementation, CIS compliance automation, and SIEM integration. Proven success deploying scalable IaC and Kubernetes solutions with CI/CD pipelines that balance operational efficiency with enterprise security requirements.

Education

Master of Science in Computer Science   *Jan 2023 - May 2025*
University of Colorado Boulder   **GPA: 4.0**
Artificial Intelligence Graduate Certificate
Specializations: Artificial Intelligence, Software Architecture for Big Data, Machine Learning

Professional Experience

Cloud DevOps Engineer   *The Hanover Insurance Group, Massachusetts (Remote)*   *Sep 2025 - Present*

- **Multi-Cloud Infrastructure Architecture - OCI Greenfield Deployment:** Independently architected and deployed Oracle Cloud Infrastructure (OCI) from zero institutional knowledge as sole cloud expert, delivering production-ready multi-region environment in 4 weeks and saving $500K+ versus external consultants; engineered 73+ infrastructure resources across 48 Terraform files and 7 reusable modules supporting critical business applications.
- **Security & Compliance Leadership - Enterprise-Scale Hardening:** Single-handedly achieved 100% CIS benchmark compliance across OCI environment, implementing 30+ security controls, 11 isolated security zones, and enterprise IAM architecture; established Azure security baseline with QRADAR SIEM integration and comprehensive monitoring across multi-cloud estate.
- **CI/CD Pipeline Operations & Production Support:** Maintained 5+ weekly production releases across Azure DevOps pipelines supporting business-critical applications; provided daily technical consultation to senior leadership on cloud architecture decisions and infrastructure optimization strategies.
- **Azure Enterprise Infrastructure & Automation:** Managed Azure landing zones, hub-spoke networking, and enterprise resource governance supporting organization-wide cloud operations; automated infrastructure provisioning and configuration management reducing manual deployment effort.
- **Technical Leadership & Knowledge Transfer:** Served as sole cloud infrastructure subject matter expert, providing daily technical guidance to senior leadership and development teams; established cloud best practices and governance frameworks enabling organizational cloud maturity.

Systems Administrator - Jr. Cloud Engineer   *Meze LLC, Massachusetts*   *Mar 2019 - Jan 2025*

- **Cloud Infrastructure & DevOps:** Architected AWS multi-tier infrastructure using EC2, RDS, ECS, and VPC with Terraform IaC; deployed containerized microservices with Docker and Kubernetes; automated CI/CD pipelines using GitHub Actions and implemented comprehensive monitoring with CloudWatch and custom alerting.
- **Cost Optimization & Business Continuity:** Migrated legacy telephony systems to cloud-based 3CX on EC2, achieving 90% cost reduction and 99.9% uptime; designed hybrid cloud architecture maintaining operations during 10+ infrastructure failures including power outages and ISP disruptions.
- **Network Security & Automation:** Implemented enterprise network segmentation with Ubiquiti equipment, configuring VLANs, custom firewall rules, and secure WiFi isolation; automated Linux system administration tasks using Bash scripting and cron scheduling, reducing manual intervention by 75%.
- **Technical Leadership:** Served as sole IT specialist for 15-employee organization, providing 24/7 infrastructure support and creating comprehensive runbooks; led technology modernization initiatives resulting in improved operational efficiency and disaster recovery capabilities.

Signals Corps Specialist   *Greek Army, Central Macedonia, Greece*   *Jan 2022 - Dec 2022*

- Maintained mission-critical communication networks achieving 99.9% uptime in high-pressure tactical environments, developing advanced troubleshooting and incident response capabilities under strict time constraints.

Certifications

Azure DevOps Engineer Expert	AWS Solutions Architect Associate	OCI Architect Associate
Kubernetes Administrator (CKA)	Azure Developer Associate	Azure Administrator Associate
HashiCorp Terraform Associate	LFCS: Linux System Administrator	CompTIA Security+
CompTIA CloudNetX	CompTIA Network of Experts	LFCT: Linux Cloud Technician
ITIL 4 Foundation	CompTIA Cloud+	CompTIA Network+
CompTIA Linux+	CompTIA Cloud Admin Pro.	CompTIA Secure Cloud Pro.
CompTIA Network Infra. Pro.	AWS Cloud Practitioner	Linux Foundation Git
Linux Foundation Bash Scripting	CompTIA Server+	CompTIA A+

Projects

Cloud-Native Weather Application on AWS EKS   GitHub Link

- Architected production-ready Kubernetes infrastructure on AWS EKS using modern authentication with EKS Access Entries, IRSA for zero-trust identity, and External Secrets Operator for secure secret management.
- Implemented comprehensive Infrastructure as Code using Terraform modules for VPC, EKS, and ECR with Kubernetes-native CI/CD pipelines using Tekton and Kaniko for secure container building.

InvestProphet - Stock Price Prediction Platform   GitHub Link

- Engineered distributed microservices architecture on AWS ECS with Fargate, integrating LSTM neural networks for real-time stock prediction using TensorFlow and implementing SQS FIFO queues for reliable inter-service communication.
- Integrated machine learning pipeline with Alpha Vantage API, MySQL RDS for persistence, and WebSocket connections for real-time data streaming to deliver responsive financial analytics platform.

Terraform Multi-Container Infrastructure with Interactive Dashboard   GitHub Link

- Designed modular Terraform architecture orchestrating Docker containerized microservices with MySQL persistence, Nginx web server, and PHP application layer using Infrastructure as Code principles.
- Created modern web dashboard interface with real-time database operations, responsive design, and comprehensive error handling showcasing full-stack development integrated with infrastructure automation.

Technical Skills

- **Cloud Platforms:** AWS (Solutions Architect), Azure (DevOps Expert, Administrator, Developer), Oracle Cloud Infrastructure (OCI Architect), GCP; EC2, EKS, ECS, RDS, Lambda, S3, VPC; Azure App Service, AKS, Storage Accounts; OCI Compartments, Security Zones, IAM; Multi-Cloud Architecture

- **Infrastructure as Code:** Terraform (Associate Certified), CloudFormation, ARM Templates, Bicep, Ansible, GitOps, Policy as Code, Infrastructure Automation, State Management

- **Container & Orchestration:** Kubernetes (CKA Certified), Docker, Helm, EKS/AKS/GKE, Container Registry, Microservices, Service Mesh, Pod Security Standards

- **DevOps & CI/CD:** Azure DevOps, GitHub Actions, Jenkins, ArgoCD, CI/CD Pipelines, Blue-Green Deployment, Configuration Management

- **Security & Compliance:** Security+ Certified, Zero Trust, IAM/RBAC, IRSA, Network Security, CloudTrail, Security Groups, Vulnerability Management, SOC 2, HIPAA

- **Linux & Systems:** LFCS/LFCT Certified, Ubuntu, RHEL, CentOS, Bash/Shell Scripting, System Administration, Performance Tuning, Network Configuration

- **Monitoring & Observability:** CloudWatch, Azure Monitor, Prometheus, Grafana, ELK Stack, Alerting, SLI/SLO, Incident Response, Site Reliability Engineering

- **Programming & APIs:** Python, JavaScript/Node.js, Bash, PowerShell, SQL, REST APIs, boto3, Azure SDK, Git, JSON/YAML, Database Management

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