

Panagiotis 'Pano' Georgiadis

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

Cloud Engineer and DevOps specialist with MS in Computer Science (4.0 GPA) and 35+ certifications including Microsoft Azure DevOps Engineer Expert, AWS Solutions Architect, CKA, Terraform, and 14 CompTIA specializations. Expert in multi-cloud infrastructure (AWS/Azure/GCP), Kubernetes orchestration, CI/CD automation, and IaC with Terraform and Bicep. Combines enterprise Linux administration with modern DevOps practices and AI/ML integration.

Education

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

Certifications

Azure DevOps Engineer Expert	AWS Solutions 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+	Azure Fundamentals

Professional Experience

- 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.
 - Implemented secure network authentication systems (RADIUS/TACACS+) and operated 24/7 monitoring rotations, demonstrating reliability and security expertise directly applicable to cloud infrastructure operations.

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.
- Established GitOps workflows with Helm charts and demonstrated pod identity visibility through Kubernetes Downward API integration, showcasing advanced cloud-native development practices.

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.
- Deployed containerized services using AWS Copilot with automated CI/CD via GitHub Actions, ECR for container registry, and CloudWatch monitoring for comprehensive observability and performance tracking.
- 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.
- Implemented container lifecycle management with health monitoring, persistent volume configuration, and automated dependency resolution demonstrating enterprise-grade container orchestration skills.
- 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), GCP; EC2, EKS, ECS, RDS, Lambda, S3, VPC; Azure App Service, AKS, Storage Accounts; 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

View Complete Portfolio

Learn more about me, explore additional projects, technical deep-dives, and live demonstrations at
pgcloud.dev