

# IOANNIS GKOURTZOUNIS

Senior DevOps Engineer & Team Lead

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## CORE SKILLS

- Container Orchestration**  
Kubernetes · OpenShift · Helm
- CI/CD & GitOps**  
Jenkins · Argo CD · GitOps
- Observability**  
Prometheus · Grafana · Loki · Alloy
- Security**  
Falco · Trivy · Cosign · Wazuh
- Cloud Platforms**  
AWS · IBM Cloud
- Infrastructure & HA**  
HAProxy · Keepalived · Ceph · VMware
- OS & Scripting**  
Ubuntu · RHEL · CentOS · Bash

## CERTIFICATIONS

- Certified Kubernetes Security Specialist
- Certified Kubernetes Administrator
- Certified Kubernetes Application Developer
- AWS Certified Cloud Practitioner
- Certified Jenkins Engineer
- Professional Scrum Master PSM-I
- ISTQB Agile Tester Extension
- ISTQB Certificate in Software Testing

## PROJECTS

- Homelab**  
<https://tinyurl.com/igk-homelab>
  - Homelab with VMware and Kubernetes
- Portfolio**  
<https://tinyurl.com/igk-portfolio>
  - Multi-Cluster Observability Platform
  - Dedicated Rook Ceph Cluster
  - Multi-Cloud Active-Active Topology
  - Multi-Cloud Active-Passive Topology
  - HA with Stacked etcd Topology
  - HA with External etcd Topology
  - Web Authentication vs MITM Attacks
  - NLP Travel Assistant Chatbot

## PUBLICATIONS

- Towards Online Electric Vehicle Scheduling for Mobility-On-Demand Schemes**  
<https://tinyurl.com/igk-publication>

## SUMMARY

Triple-certified Kubernetes engineer (CKS/CKA/CKAD) and DevOps Team Lead with 6+ years building and hardening production-grade Kubernetes and OpenShift clusters for EU-funded projects and the banking sector. Bridging deep infrastructure expertise with team leadership — reducing deployment times by 30% and driving 99.9% uptime across two enterprise projects.

## EXPERIENCE

### DevOps Team Lead

#### ARHS Group

01/2025 - Present

- Lead a DevOps team across two concurrent high-profile EU projects, owning resource allocation, delivery timelines, and direct stakeholder communications.
- Mentored 10 engineers through structured coaching, growing team self-sufficiency and boosting productivity by 20% year-over-year.
- Architected and deployed multiple OpenShift clusters from spec to production, configuring Operators for logging, monitoring, and alerting.
- Managed Kubernetes and OpenShift infrastructure across AWS and IBM Cloud, supporting isolated environments for multiple parallel workloads.
- Designed and deployed Active-Active multi-cloud clusters with HA load balancers, achieving 99.9% uptime across two enterprise projects.
- Built Jenkins CI/CD pipelines with dynamic agents optimized for cluster resource usage, cutting deployment time by 30% through automation.
- Deployed full-stack observability with Grafana Alloy/Loki for log aggregation and Falco for real-time container runtime security monitoring.
- Enforced CIS benchmarks across Ubuntu and RHEL hosts using Wazuh, reducing breach risk by 25% as measured against quarterly security audits.

### Senior DevOps Engineer

#### ARHS Developments Hellas

09/2022 - 12/2024

- Designed and deployed production Kubernetes clusters on bare-metal infrastructure, implementing stacked and external etcd HA topologies for maximum control-plane resilience.
- Built automated etcd disaster recovery scripts with tested restore procedures, cutting estimated cluster recovery time to under one hour.
- Deployed HA control planes using HAProxy and Keepalived, and engineered multi-cloud on-premises architectures for workload portability and resilience.
- Implemented GitOps workflows with Argo CD, enabling declarative, version-controlled deployments and eliminating configuration drift.
- Built Prometheus/Grafana observability stacks with custom dashboards and alerting, enabling proactive incident detection before user impact.
- Established a DevSecOps posture by integrating Harbor Registry, automated vulnerability scanning, and runtime security across the full delivery lifecycle.

### DevOps Engineer

#### Onelity

01/2020 - 08/2022

- Built a Kubernetes infrastructure from scratch, including dynamic NFS storage provisioning to eliminate manual persistent volume management.
- Implemented GitOps-driven deployments with Helm Charts and Argo CD, standardizing the release process across all environments.
- Engineered Jenkins autoscaling pipelines triggered by RabbitMQ queue metrics, automating HPA adjustments to handle traffic spikes without manual intervention.
- Secured the container pipeline with image signing and runtime security scanning, establishing baseline DevSecOps practices for the team.

### QA Automation Engineer & Instructor

#### Onelity

09/2018 - 12/2019

- Built a BDD test automation framework with Selenium/Cucumber from scratch, enabling continuous functional test execution in the CI pipeline.
- Delivered certified training programs as an instructor for Professional Scrum Master and both ISTQB Foundation and Agile Tester courses.

## EDUCATION

### BSc (Hons) in Computing

#### University of Northampton

09/2016 - 06/2018

- Graduated with First-Class Honours A+
- Published paper at EUMAS 2018 Conference on Multi-Agent Systems