
THODORIS VELMACHOS



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[LINKEDIN URL](#)

EXPERIENCE

DEVOPS ENGINEER - SYSTEM ADMINISTRATOR – CONSULTANT NGCLOUDOPS

01/04/2019- Now

NgCloudOps leverages the advancements and the competitiveness of the Cloud Technologies to create a PAAS service allowing customers to develop, run, and manage applications without the complexity of building and maintaining their own infrastructure.

As a DevOps Engineer, I am responsible for designing and maintaining the automated CI / CD workflows in order to deploy the large number of Microservices in a controlled manner.

Some of the tools and programs are as follows: Jenkins, Teamcity, Octopus Deploy, Github Actions, Terraform Ansible, AWS Cloudformation, Python Scripts / Bash Scripts.

As a Systems Administrator, I am responsible to deploy, configure, manage all the necessary Infrastructure components, some of those components are the following Kubernetes Clusters (GKE), AWS Lambda Services, AWS EC2 machines, AWS Opensearch, PostgreSQL, Kafka Clusters, RabbitMQ Cluster Servers, OpenVPN and Tinc VPN tunnels.

SYSTEMS ADMINISTRATOR - DEVOPS ENGINEER 2ND LEVEL SUPPORT

SWORD SERVICES GREECE S.A

08/11/17 – 01/04/2019

Responsible for provisioning - supporting - upgrading Windows / Unix Systems (Redhat Based Linux). Also Responsible for provisioning-supporting-upgrading Oracle Middleware Products (Oracle Weblogic and Oracle DB).

Furthermore, in my daily routine I am responsible for administering and supporting tools like Jenkins, Gitlab, Nexus Oss3, Sonarqube, Xwiki.

As a DevOps Engineer, I was responsible for creating, maintaining, and supporting the Docker Platform which is used mainly for Development and Testing of the application by the Company's Development and Testing teams.

As a System Administrator for Both Operating Systems I am using programming tools like Bash and Ansible to automate all the trivial tasks and as a result to make myself more efficient with my daily tasks.

**SYSTEMS ADMINISTRATOR
INTRASOFT INTERNATIONAL S.A.**

02/02/17 – 07/11/17

I was responsible to create, maintain, and support the Infrastructure Components that are used by the Development and Testing Teams..


**SYSTEMS ADMINISTRATOR
IST LEVEL SUPPORT
INTRASOFT INTERNATIONAL S.A.**

09/03/2015 – 02/02/17


Responsible for provisioning - supporting - upgrading Windows Assets, also responsible for resolving First Level Software, Hardware and Network problems.

SKILLS

- I. Solid Knowledge on the administration of Kubernetes Clusters.
 - a. For Apps Deployment I leverage tools like Helm, Kustomize and Kubernetes Operators.
 - b. For Infrastructure Components I use Kubernetes Operators when they are available, otherwise I use Helm Charts.
 - c. Service Mesh: Istio, Linkerd.
 - d. Security Related Tools
 - i. Image scanning using AquaSecurity Trivy, Anchore Grype.
 - ii. Sign Images using Cosign
 - iii. SBOMs using tools like AquaSecurity Trivy, Anchore Syft
 - iv. Hardened container os: Chaingurds Wolfi OS, Distrosless.
 - v. Hardened k8s Os like Google Optimised Images.
 - vi. Admission Controllers to apply policies like Kyverno.
 - e. Observability
 - i. Metrics: Prometheus/Victoria Metrics
 - ii. Logs: Grafana Loki
 - iii. Traces: Opentelemetry, Grafana Tempo
 - f. Storage Management:
 - i. Longhorn mainly used to manage the storage on Premise K8s deployments.
 - g. Disaster Recovery

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- i. I leverage Vmware Velero Open source project to backup and restore the mission critical components like dbs, Messaging systems etc.
 2. I advocate the Shift Left Paradigm and I really love to work with GitOps with the two prevalent tools FluxCD and ArgoCD.
 3. Administering CI / CD Tools i.e Jenkins, Teamcity, Octopus Deploy Github Actions.
 4. Developing Jenkins Declarative and Scripted Pipelines.
 - a. Developing custom scripts with the use of Groovy, Python, Powershell, Bash.
 - b. Developing robotic process automation (RPA) with the use of Robot Framework and Selenium.
 5. Use of Terraform as the main tool to automate the provisioning of the necessary Infrastructure Components (VPC,GKE Clusters, Google Functions, etc).
 6. Use of Ansible as the main configuration tool to automate the provisioning of the Infrastructure on premise Private Data Centers.
 7. Use of Serverless Framework and AWS Cloudformation to provision the requested AWS Components.
 8. Solid knowledge in the provisioning and the administration of AWS Managed Services i.e. ECS, AWS Lambda Functions, API Gateway, Amazon Opensearch. AWS Elaticache, Kinesis, SQS EventBridge.
 9. Solid knowledge in the provisioning and the administration of Google Cloud Managed Services, like GKE, Google Functions, Cloud Storage,
 10. Solid knowledge in the administration such as Traefik, HAproxy, Nginx,MSSQL Server, Postgres, Elasticsearch.
 11. Solid knowledge in deploying, configuring, maintaining Docker Hosts, Docker Swarm.
 12. Solid knowledge in deploying, Configuring, Administering Unix/ Linux Servers like Centos 7, Ubuntu.

CONFERENCES

- 16-17/04/23 Cloud Native Rejekts (AMS)
 - 22-23/11/22 CNCF KCD UK
 - 14-15/06/22 WeAreDevelopers World Congress
 - 28/04/22 WTF is SRE? A Virtual Conference by SREs for SREs 2022
 - 09/05/22 DockerCon 2022
 - 16/05/22 - 20/05/22 KubeCon + CloudNativeCon Europe
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SEMINARS

- 26/01/2016 - 01/03/2016 Certification of Attendance “Interconnecting Cisco Networking Devices Routing and Switching (CCNA)”.
- 3/7/2011 - 8/7/2011 Certification of Attendance “Wireless Technologies & Applications”
- Key-CERT IT Specialist Web Designer Selected Course Modules: Internet Technologies, HTML/Dreamweaver Developing, Flash Web Developing, Digital Image Design with Photoshop.

EDUCATION

Bachelor Degree / 2015
Technological Institute of Informatics and Mass Media at Patras

PERSONAL CHARACTERISTICS

1. Teamwork
2. Creativity
3. Responsibility