Apostolis Tanopoulos
DevOps Engineer

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SKILLS

DevOps: Kubernetes, Docker, ArgoCD, Terraform, Jenkins, Gitlab

Tools: Linux (Ubuntu, Oracle, CentOS, Almalinux), Web Servers (Apache, Nginx), Virtualization (QEMU/KVM, Hyper-V), Databases (MySQL, MariaDB, MongoDB), VPN (OpenVPN, Wireguard), Powershell, Bash

Cloud Providers: AWS (Route53, EC2, ECS, ECR, ALB, IGW, ACM, IAM), Azure (SQL DB)

Programming: Python, JavaScript, TypeScript, NodeJS, React, Vue, Ionic, Capacitor, HTML, CSS

PROFESSIONAL EXPERIENCE

Emotiva & 24ORE BS via **Conveos - Software/DevOps Engineer;** Heraklion, Crete, GR   *December 2022 – Present*

Emotiva   specializes in real-time micro facial expressions classification using computer vision and machine learning algorithms for measuring audience attention and engagement, empowering client media content.

24ORE Business School is the first Italian training school that offers a wide range of courses for young graduates, recent graduates, professionals and entrepreneurs.

- Introduced a streamlined approach for iOS and Android apps CI/CD deployments using Fastlane and GitLab CI/CD, boosting developers productivity.
- Mentored interns in Docker and CI/CD pipeline optimization for efficient DevOps workflows.
- Led front-end development for a project simulating social media platforms, collecting real data for ad engagement evaluation. Developed scrapers to feed the platforms with authentic content and collected various metrics, including post likes, time spent on posts, for downstream analysis.
- Transformed platform's frontend architecture from a single-user model to a multiuser system with hierarchical access controls and tailored authorization mechanisms for specific actions, enhancing user engagement and security.

NetworkOverIT – Linux SysAdmin/Software Engineer; Heraklion, Crete, GR   *May 2021 – December 2022*

NetworkOverIt specializes in IT infrastructure deployment and maintenance, primarily serving the healthcare sector, for all regional public hospitals and clinics. Also offers tailored IT and VOIP solutions for hotels.

- Provided L3 support for critical healthcare applications including medical imaging servers (PACS), Webservers (Apache, Nginx) and network (VPN, DNS, DHCP, subnet) issues, ensuring system reliability and integrity.
- Architected and seamlessly migrated the on-premises remote desktop solution to Microsoft Azure, ensuring high availability and data loss resilience.
- Deployed and maintained Docker containers for various applications (Grafana, DB's, Webservers), reducing resource overhead and streamlining deployments.
- Designed and maintained backup and disaster recovery solutions, reducing data loss risk using raid and filesystem based backup solutions.
- Conducted routine system patching, upgrades, and security audits, keeping systems up-to-date and secure.
- Efficiently managed on-premises and virtual infrastructure utilizing QEMU Proxmox and Microsoft

Hyper-V, across multiple Linux distributions (Ubuntu, Oracle, CentOS, Almalinux), optimizing resource allocation.
- Developed, deployed, and maintained software solutions and automation tools tailored for clients and internal usage.

PROJECTS

Personal Website/Portfolio; atanopoulos.com

- Deployed a personal website/portfolio by provisioning infrastructure in AWS using Terraform, while employing Bash scripts for asset generation, React for front-end development, and Docker for containerizing the front-end.
- Established multiple environments (e.g., dev and prod) and implemented an automated deployment pipeline with Jenkins CI/CD, showcasing expertise in web development, DevOps, and infrastructure management.

Homelab

- Experimentation within a personal "Homelab" environment. Discovering and utilizing various technologies, including Proxmox for virtualization, Kubernetes for container orchestration, Helm for Kubernetes package management, Docker and Docker Compose for containerization, and Nginx and Apache for web server configurations.
- Implemented ArgoCD, for GitOps-style deployments. This optimized the management of infrastructure, applications, and configurations. Additionally, integrated Cert Manager for secure communications, including both Let's Encrypt and self-signed certificates, for exposed and internal applications.

EDUCATION

Hellenic Mediterranean University | Bachelor of Crop Science; Heraklion, Crete, GR   June 2017

INTERESTS

Homelab, Traveling