

Andrei VASILIU

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Professional Experience

Alpian Technologies, Rome, Italy

Head of Platform, May 2023 – ongoing

- Spearheaded the strategic vision and leadership for the Platform Engineering team, integrating security best practices into platform initiatives to align with organizational goals and developer needs.
- Led the development and implementation of the Internal Developer Platform (IDP) based on [Backstage](#), empowering Platform Engineers to streamline developer workflows and enhance self-service capabilities, while incorporating security controls and access management, resulting in a 40% improvement in developer onboarding time.
- Oversaw the administration and optimization of critical platform infrastructure and services, including the management of 4 GKE clusters.
- Designed and implemented secure cloud networking architectures, including VPC design, network segmentation, and security groups, to protect sensitive data and applications.
- Implemented Zero Trust Network (ZTN) principles and solutions, leveraging tools to enhance security and control access to internal resources.
- Built, mentored, and managed a team of Platform Engineers, fostering a collaborative and innovative environment focused on delivering scalable, reliable, and secure platform solutions.

ISMS Manager (Concurrent Role), Apr 2024 - Ongoing

- Championed the maintenance and enhancement of the Information Security Management System (ISMS) in accordance with ISO 27001 standards.
- Played a key role in the company's successful attainment of ISO 27001 certification, contributing to risk assessments, policy development, and internal audits.
- Ensured ongoing compliance with security best practices and regulatory requirements.

Head of DevOps, Apr 2022 – Apr 2023

- Directed the architecture, development, and administration of Kubernetes clusters for the software factory.
- Led the design and implementation of a GitOps-based workflow, transforming the infrastructure management to an Infrastructure as Code (IaC) approach using Terraform.
- Orchestrated the integration of diverse CI pipelines into the GitOps framework, enabling Platform Engineers to provide flexible and standardized deployment solutions.
- Provided technical leadership and mentorship to a team of 3 DevOps engineers, guiding their professional development and ensuring project success.

Capgemini, Bologna, Italy

Senior DevOps Consultant, Jan 2021 – Apr 2022

- Part of the DevOps DCX (Digital Customer Experience) taskforce, supporting various client engagements and platform initiatives.
- Nemo project at [ALD Automotive](#) (Feb 2021 - Apr 2022)
- Led the design and implementation of CI/CD pipelines for the Nemo project at ALD Automotive, accelerating time to market by 15% through automation and improved platform efficiency.
- Optimized Azure cloud infrastructure, achieving a 25% reduction in costs through efficient resource management and platform engineering best practices.
- Oversaw the administration and monitoring of AKS Kubernetes clusters across complex Azure environments.
- *Graph Analysis on Transport Network* project at [Vodafone](#) (Jan 2021 - Feb 2021)
- Provided expert DevOps consultation for the DCX taskforce, including developing an AI-driven network topology visualization solution with containerized deployments and secure authentication.

Modis, Bologna, Italy

DevOps engineer / Technical Leader, Apr 2020 – Jan 2021

- Led a team of 3 engineers in architecting and implementing CI/CD pipelines using Azure DevOps, resulting in a 20% improvement in deployment efficiency and streamlined platform operations.
- Managed Azure cloud infrastructure and AKS Kubernetes clusters, ensuring high availability, scalability, and optimal platform performance.
- Contributed to agile planning processes, aligning DevOps strategies with project timelines and objectives.

Software developer, Jan 2018 – Jan 2021

- Developed software solutions for key projects, including:
 - Argo project at [Borsa Italiana](#): Financial transaction monitoring application.
 - SLS project at [Datalogic](#): Graphical User Interfaces for Windows.
 - Internal resource management website.

Azure DevOps instructor at Modis Academy, Dec 2018

Coderollers, Málaga, Spain

Intern Software Developer, Sep 2017 – Dec 2017

- Contributed to backend development projects within an Agile environment, gaining foundational platform development experience.

Civil Engineering 2006 - 2017

Freelance civil engineering consultant.

Language Skills

- Romanian: Native
- Italian: Fluent (Written and Spoken)
- English: Proficient (Written and Spoken)

Technical Skills

Platform & Infrastructure:

- Kubernetes (GKE, AKS, K3d), OpenShift, Docker, Rancher, Helm, Kustomize
- IaC: Terraform, Ansible, Azure Resource Manager
- Cloud: Azure, GCP, AWS
- Operating Systems: Linux (various distributions), MacOS, Windows
- Networking: TCP/IP, DNS, VPNs, Load Balancing
- Other: Istio, Kong, Cert Manager, Intune, Jamf, NinjaOne

CI/CD & DevOps:

- GitHub Actions, ArgoCD, Tekton, Jenkins, Azure DevOps, GitLab, Artifactory

Monitoring & Security:

- Monitoring: Prometheus, Grafana, ELK, Splunk, GCP Monitoring, Fluentbit
- Security: IAM, Secrets Management (GCP Secrets Manager, HashiCorp Vault), Network Security, ZTN, Twingate, Trivy

Programming & Data:

- Scripting: Bash, Python, Go, PowerShell
- Programming: .NET Framework, .NET Core (C#)
- Databases: PostgreSQL, MySQL, Oracle, RavenDB, Cosmos DB, Redis

Other:

- Kafka, Lens, k9s, SonarCloud, Codecov

Personal Skills

- Leadership and Communication: Excellent communication, collaboration, and leadership skills, with a proven ability to mentor teams and articulate complex technical concepts to both technical and non-technical audiences.
- Problem Solving and Analytical Thinking: Strong analytical and problem-solving abilities, adept at identifying root causes, developing innovative solutions, and optimizing system performance in complex environments.
- Adaptability and Learning Agility: Fast learner and technology adopter, with a demonstrated capacity to quickly master new tools, technologies, and methodologies in the rapidly evolving field of DevOps and platform engineering.
- Project Management and Organization: Ability to think methodically, design, plan, and manage projects effectively, ensuring timely delivery and adherence to quality standards.
- Autonomy and Resilience: Autonomous and able to work effectively under pressure, with strong prioritization skills and a commitment to taking ownership and responsibility.

Education

- Chartered Engineer registered with the Engineering Council of the Province of Bologna
- International Master's Degree in Civil Engineering, University of Bologna, Sep 2013-Jul 2014, final mark 110/110 (Civil/Structural Engineering specialization)
- Bachelor's Degree in Civil Engineering, "Ovidius" University of Constanța, Faculty of Construction, Sep 2010-Jul 2012, final mark 8/10
- Degree in Economic Engineering in Construction, "Ovidius" University of Constanța, Faculty of Construction, Sep 2004-Jul 2009, 5-year programme - final mark 8.75/10