Andrei VASILIU

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Nationality: Romanian

Professional Experience

Alpian, Geneva, Switzerland
Head of Platform, May 2023 – ongoing
- Provide strategic vision and leadership across the organization, develop and implement long-term goals and objectives, build and lead a high-performing team of platform engineers;
- Administration of all internal tools used from entire organization: GCP, Azure, GitHub, Kubernetes, Terraform, Backstage, Jira, Confluence etc.;
- Implementation of Internal Developer Platform (IDP) based on Backstage project.

Head of DevOps (Italian stream), Apr 2022 – Apr 2023
- Architecture, development and administration of all Kubernetes clusters for the software factory;
- Lead the implementation and delivery of a GitOps based workflow that allows:
    - to achieve single piece flow of infrastructure changes using Terraform;
    - to deliver fast and stable product releases to bank environments using ArgoCD
    - to integrate different kind of CI pipelines into it (GitHub Action, Tekton, Argo Workflow).
- Line manager for team individuals and technical advisor to permanent and contract team members;
- Scrum Master (interim for one project);
- Technical interview for the hiring process of new DevOps staff for all international streams;
- Software and tools daily used: GCP, Kubernetes, OpenShift, K3d, Terraform, Tekton, ArgoCD, Argo Workflow, GitHub Action, Jenkins, Helm, Kustomize, Istio, Lens, Prometheus, Grafana, ELK, Sonar Cloud, Codecov, Kafka, Hazelcast, PostgreSQL, Bash, Jira, Confluence.

Capgemini, Bologna, Italy
Senior DevOps Consultant, Jan 2021 – Apr 2022
Part of DevOps DCX (Digital Customer Experience) taskforce, which supports Capgemini teams working for different clients.
- **Nemo** project at ALD Automotive (Feb 2021 – ongoing)
    - Project description: Development of a long-term rental platform capable of covering the entire life cycle of the NLT vehicle, from delivery to return.
    - Architecture, development and improvement of different DevOps tools to optimize and automate the application lifecycle throughout its plan, develop, deliver, and operate phases.

- o Administration and monitoring of AKS Kubernetes clusters in all environments (DEV, UAT, PREPROD, PROD, FAILOVER);
- o Reduce Azure cloud infrastructure cost by 25% doing clusters and cloud optimizations;
- o Software and tools daily used: Azure, Kubernetes, ArgoCD, Ansible, Lens, Jenkins, Prometheus, Grafana, Elasticsearch, Kibana, Kafka, PostgreSQL, Bash, PowerShell, Azure CLI.

- **Graph Analysis on Transport Network** project at Vodafone (Jan 2021 – Feb 2021)
  - o Project description: Development of an AI & Advanced Data Visualization solution that allows to efficiently inspect the Client's Fixed Network Topology;
  - o Application containerization and automation of the solution deployment using different tools such as: Bitbucket, Docker, Nexus;
  - o App authentication via Keycloak using LDAP and Nginx as reverse proxy.

Modis, Bologna, Italy
DevOps engineer / Technical Leader, Apr 2020 – Jan 2021
- Team management;
- Participate in long- and short-term agile planning processes for all internal projects;
- Architecture, development and improvement of CI and CD product delivery pipelines;
- Administration of Azure cloud infrastructure;
- Administration of AKS Kubernetes clusters.

Software developer, Jan 2018 – Jan 2021
- **Argo** project at Borsa Italiana (Apr 2020 – Jan 2021):
  - o The project involves an application that monitors financial transactions and reports any illicit behaviour to the relevant authorities;
  - o Software and tools daily used: .NET (C#), Windows Form, WPF, XML, WCF, SQL, Oracle Database, Microsoft SQL Server, Git, Subversion.

- **SLS** (Security Laser Safety) project at Datalogic (Jan 2018 – Apr 2020):
  - o Designing and developing Graphical User Interfaces for Windows using;
  - o Software and tools daily used: .NET (C#), WPF, XAML, XML, Git, Gitblit, Jazz IBM.

DevOps developer, Sept 2019 – Mar 2020
- Designing an internal resource management website
- Software and tools daily used: ASP .NET Core 3.0 MVC, CosmosDB, Docker, Azure, Azure DevOps, Jenkins, Jira, Confluence.

Azure DevOps trainer, Dec 2018
- Trainer at Modis Academy

Coderollers, Málaga, Spain
Intern Software Developer, Sep 2017 – Dec 2017
- Working in an Agile environment on the development of a backend project;
- Software and tools daily used: .NET Core 2.0, Azure, Docker, Linux, VSTS, RavenDB.

Civil Engineering 2006 - 2017
Freelance civil engineering consultant.

Education

- **Chartered Engineer** registered with the Engineering Council of the Province of Bologna (section A, sector A, n. 9471/A from 15 February 2017 to 15 June 2018);
- **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

Other courses

- Erasmus exchange student at the University of Bologna, Italy (Sep 2012 – Jul 2013);
- Environmental Auditor, Youth Association for Excellence (Mar 2012);
- Real Estate Evaluator, National Union of Authorised Evaluators of Romania (Jan 2009).

Language skills

- **Romanian**: native speaker
- **English**: good knowledge, both written and spoken;
- **Italian**: strong knowledge, both written and spoken;

Technical skills

- Cloud computing platforms: Azure, GCP, AWS (not at the same level as others);
- Kubernetes, OpenShift, Docker, Rancher, Istio, Helm, Kustomize;
- Pipelines: GitHub Action, ArgoCD, Argo Wrokflow, Tekton, Jenkins, Azure DevOps, GitLab;
- IaC: Terraform, Ansible, Azure Resource Manager;
- Monitoring/Logging: Prometheus, Grafana, ELK, Fluendbit;
- Programming: .NET Framework, .NET Core (C#), WCF;
- Version control: Git (GitHub, Bitbucket, Azure DevOps, GitLab, Gitblit), Subversion;
- Issue and Project tracking software: Jira, Azure DevOps, Jazz IBM, Trello;
- Team Collaboration software: Confluence, Slack;
- Data stores: SQL (PostgreSQL, MSSQL Server, Oracle Database), NoSQL (RavenDB, Cosmos DB)
- Scripting language: Bash, PowerShell, Python;
- Operating Systems: Linux, Windows;
- Project management software: Microsoft Project;
- Strong knowledge of MS Office suite and Adobe Professional suite.

Personal skills

- Excellent communication, planning and organizational skills;
- Fast learner and technology adopter;
- Ability to think methodically, to design, plan and manage projects;
- Confident in using several engineering software packages;
- Highly developed numeracy and computer literacy skills;
- Success-driven and determined to meet targets;
- Ability to write technical and detailed reports;
- Autonomous and able to work under stress by setting priorities and taking responsibility.