

Andrei VASILIU

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Marital status: Not married

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Nationality: Romanian



Professional Experience

Capgemini, Bologna, Italy

Senior DevOps Consultant, Jan 2021 – ongoing

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.
 - Administration and monitoring of AKS Kubernetes clusters in all environments (DEV, UAT, PREPROD, PROD, FAILOVER);
 - Software and tools daily used: Azure, Kubernetes, 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)
 - Project description: Development of an AI & Advanced Data Visualization solution that allows to efficiently inspect the Client's Fixed Network Topology;
 - Application containerization and automation of the solution deployment using different tools such as: Bitbucket, Docker, Nexus;
 - 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):
 - The project involves an application that monitors financial transactions and reports any illicit behaviour to the relevant authorities;
 - Program Languages: C#, Windows Form, WPF, XML, SQL;

- Databases: Oracle Database, Microsoft SQL Server;
- Framework: .NetFramework 4.7, WCF;
- Version control: Git, Subversion.
- **SLS** ([Security Laser Safety](#)) project at [Datalogic](#) (Jan 2018 – Apr 2020):
 - SLS GUI Manager (Sept 2019 – Apr 2020), previously Software developer in SLS GUI team (Jan 2018 – Sep 2019);
 - Designing and developing Graphical User Interfaces for Windows using .NET (C#), WPF, XAML, XML;
 - Version control (Git);
 - Managing, viewing and serving Git repositories with GitBlit;
 - Issue and project tracking with Jazz IBM;

DevOps developer, Sept 2019 – Mar 2020

- Designing an internal resource management website (ASP .NET Core 3.0 MVC, CosmosDB, Docker, Azure);
- Designing, developing and maintaining CI/CD pipelines (Azure DevOps, Jenkins);
- Designing and implementing RESTful APIs;
- Azure, Jira, Confluence administrator.

Azure DevOps trainer, Dec 2018

- Trainer at Modis Academy – Azure Search module.

Coderollers, Málaga, Spain

Intern Software Developer, Sep 2017 – Dec 2017

- Working in an Agile environment on the development of a backend project in .NET Core 2.0;
- Designing and implementing high-transaction RESTful APIs;
- Working with NoSQL data stores;
- Managing pipelines for building and deploying the project in Docker;
- Visual Studio Team Services product development framework;
- Use of Slack as collaboration software;
- Use of Linux to manage Docker on Azure cloud computing platform and local servers;
- Writing documentation.

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

- .NET Framework, .NET Core (C#), WCF;
- Docker, Kubernetes, Rancher, Jenkins, Ansible, Terraform, Kafka;
- Version control (Git, Subversion);
- Issue and Project tracking software: Azure DevOps, Jazz IBM, Jira;
- Team Collaboration software: Confluence, Slack;
- Data stores: SQL (MSSQL Server, Oracle Database, PostgreSQL), NoSQL (RavenDB, Cosmos DB)
- Cloud computing platforms: Azure;
- Scripting language: PowerShell, Bash, Python;
- Operating Systems: Windows, Linux;
- 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.