

Mircea Mihalea *Cloud & DevOps Competency Head for Romania*

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Certificates

- AWS Certified Solutions Architect – Associate [↗](#)
- Aviatix Certified Engineer - Multicloud Network Associate [↗](#)
- Aviatix Certified Engineer - Multicloud Network Professional [↗](#)
- GitHub Foundations [↗](#)

Education

Master's Degree, Computer Science with Distributed Systems and Networks

University of Southampton

Blockchain, Docker & Kubernetes, Cybersecurity

Southampton,
United Kingdom

Engineering Experience

Azure Big Data Analytics Platform for market-leading automotive manufacturer

- cloud network architect leading a team of 10 developers & technical interviewer for DevOps and Python vacancies
- created hub-and-spoke networking for next-generation cloud platforms for big data
- designed and implement performant and scalable multi-cloud platforms with Aviatix and Azure
- implemented self-service APIs & microservices for platforms using Python, FastAPI and Pulumi
- developed CI/CD pipelines with Azure DevOps
- refined features with developers, architects, key stakeholders and other roles part of the SAFe framework
- connected on-prem to cloud for 100+ Gbps use-cases with a focus on security

Lift and shift from on-prem to Azure for managed services provider

- lead the lift and shift process from the previous vendor's on-premises to Azure during the acquisition process to ensure proper integration into parent's company systems
- managed Jenkins servers and implement CI/CD pipelines for .NET projects
- automated database migrations with sqlpackage, and Windows Server 2014 and 2019 management with PowerShell 7
- was in charge of global deployments and post-release support as the lead release engineer

Migration to AWS cloud native constructs from a Hetzner on-prem application

- kick-started migration project which ultimately lead to a multi-year collaboration
- directly handled all customer stakeholder interactions for DevOps and Cybersecurity
- safely and predicatedly provisioned all environments using Terraform based IaC projects
- automated continuous delivery process with CodePipeline, CodeBuild and CodeDeploy
- migrated on-prem application to AWS EC2 running Microsoft IIS
- designed and implemented architecture for greenfield application running on AWS BeanStalk and RDS
- configured SSL management with Let's Encrypt and AWS Certificate Manager
- provided secure access to private resources using point-to-site VPN solutions such as Pritunl with OpenVPN and HeadScale with WireGuard

Organisational Roles

Cloud & DevOps Competency Head for Romania

2024 – present

GlobalLogic Romania

- manage the Trusted Interviewer program for Romania
- align with other technology managers from EMEA to decide common goals for the Cloud & DevOps competencies
- manage DevOps Competency Leads from Romania and have an overview of all DevOps engineers and projects
- manage the benched engineers and align with potential projects, and be the hiring manager for predictive hiring processes to maintain a healthy bench
- nurture the country-wide Cloud & DevOps community and all its associated events and meetings
- speaker and advocate for the Cloud & DevOps community in country company-internal events

DevOps Engineering Manager

2022 – 2024

Fortech Software Services

- manage up to 10 engineers as their direct manager
- create and monitor career development plans catered for their specific needs
- hiring manager and then mentor for internships
- technical speaker for local company-internal presentation

DevOps Engineer

2020 – present

Fortech Software Services

- provide support for presales as a technical expert with activities such as customer discussions, project estimations, or small-scale proof of concepts
- handle technical interviews for all seniority levels, for both project vacancies and predictive hiring

Publications

Securing Hardware Supply Chain Using PUF [↗](#)

23/01/2021

Springer

Anti-BLUFF: towards counterfeit mitigation in IC supply chains using blockchain and PUF [↗](#)

25/06/2020

International Journal of Information Security

Towards a Supply Chain Management System for Counterfeit Mitigation using Blockchain and PUF [↗](#)

26/08/2019

arXiv