Mircea-Pavel Anton

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# Professional Experience

## Raiffeisen Bank June 2024 - Present

## *Lead ML Ops Engineer*

* Currently managing a team of 4 ML Ops Engineers dedicated to offering direct support to the ML Engineering team as well as maintaining all of the Kubernetes Clusters
* Currently migrating the on-prem production applications to AWS EKS
* Implemented containerized development environments, custom tailored for each application and usecase to speed up development times

## *ML Ops Engineer Sep 2023 – June 2024*

* Managed the entire lifecycle of ML Applications deployed in an on-prem K8S cluster
* Migrated the deployment procedure from manual deployments to a GitOps Workflow using FluxCD and automation via Terraform
* Sped up the development of applications by implementing CI/CD pipelines to automate various processes

## Thales July 2021 – July 2023

## *DevOps Engineer*

Worked on developing and maintaining a Kubernetes-based CI/CD platform including tools such as GitLab, Jenkins, Artifactory, Keycloak, SonarQube, Dependency Track, Nexus, DefectDojo, and midPoint

* Managed, improved, and created Jenkins pipelines to automate testing and deployments
* Created Ansible Playbooks to automate configurations and deployments of services
* Used Terraform to provision development Kubernetes clusters in AWS
* Improved security by implementing IAM via midPoint

## University of automatic control and computer science Oct 2020 – Jun 2021

## *Undergraduate Teaching Assistant*

Lab assistant for the “Signals and Systems” (1st semester) and “Theory of Control Systems” (2nd semester).

* Developed software in Python to automate the grading of student assignments
* Set up CI/CD pipelines in GitLab to ensure the quality of said software
* Taught introductory labs

# Certifications

* Linux Foundation Certified System Administrator Oct 2020 – Oct 2025
* Certified Kubernetes Administrator Dec 2022 – Dec 2025
* Certified Kubernetes Application Developer Dec 2022 – Dec 2025
* Certified Kubernetes Security Specialist Dec 2022 – Dec 2025

# Personal Projects

## GitOps homelab infrastructure

Automated my home infrastructure using GitOps practices using tools like Talos Linux, Kubernetes, FluxCD, Terraform, GitHub Actions and Renovate.

* Used a next-generation, API driven and minimal OS as the base to deploy Kubernetes on: Talos Linux
* Automated the cluster end to end, from Kubernetes down to the individual applications using GitOps
* Implemented offsite backups and disaster recovery using VolSync, MinIO, CloudFlare R2 and BackBlaze B2
* Implemented monitoring and alerting using tools like Prometheus, Grafana and AlertManager
* Implemented a clustered storage solution by deploying a Ceph Cluster inside of the Kubernetes Cluster
* Implemented automatic updates via Renovate and CI pipelines, ensuring all applications are always up to date

# Education

## University of ENTREPRENEURSHIP, BUSINESS ENGINEERING AND MANAGEMENT

## *MSc in Digital Management*

## University of automatic control and computer science

## *BSc in Systems Engineering*