

# 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” (1<sup>st</sup> semester) and “Theory of Control Systems” (2<sup>nd</sup> 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*