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# Professional Experience

## RAIFFEISEN BANK June 2024 - Present

## *Lead ML Ops Engineer*

* Currently leading and training a team of 4 ML Ops Engineers supporting critical ML applications including fraud detection, churn prediction, internal chatbots, and ATM supply forecasting
* Architect and maintain hybrid cloud infrastructure: 10-node on-premises K3S cluster and 3 AWS EKS clusters (production, pre-live, testing)
* Designed and deployed complete on-premises platform from scratch including K3s installation, Ceph storage via Rook, Ingress Nginx, FluxCD, Flannel networking, and certificate management via CertManager and TrustManager
* Orchestrate 15+ internal applications using GitOps methodology with FluxCD, enabling self-service deployments and reducing deployment frequency from monthly to multiple daily releases
* Implemented comprehensive automation using Kubernetes operators for common services such as Crunchy Postgres Operator, RabbitMQ Cluster and Topology Operators, Dragonfly Operator
* Migrated GPU-intensive workloads to AWS SageMaker and production applications to EKS, optimizing resource allocation while maintaining on-premises infrastructure for resource-intensive batch workloads and various internal development tools and services
* Established disaster recovery capabilities that enabled a complete platform restoration (15 applications + infrastructure) in ~8 hours during critical hardware failure, preventing weeks of potential downtime
* Built security-compliant CI/CD pipelines with automated testing, vulnerability scanning, and GitHub workflow integration to meet banking regulatory requirements
* Trained the entire team on GitOps practices and Kubernetes operations, developing internal expertise from zero Kubernetes knowledge to independent platform management

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

* Architected and executed complete transformation from manual deployment processes to automated GitOps workflow using FluxCD, eliminating deployment fragility and reducing developer fear of releases
* Provisioned and managed infrastructure resources using Terraform, establishing Infrastructure as Code practices and eliminating manual configuration drift, using the Tofu-Controller for FluxCD to apply terraform configurations in a GitOps manner
* Built comprehensive CI/CD pipeline infrastructure from ground zero, implementing automated code linting, testing, and tool updates via Renovate where no automation previously existed
* Deployed and configured core platform services including Keycloak for identity management, MinIO for object storage, and OAuth2 Proxy for secure authentication across all applications
* Partnered with development teams to refactor applications for cloud-native architecture, enabling containerization and Kubernetes-native deployment patterns

## THALES July 2021 – July 2023

## *DevOps Engineer*

Worked on developing and maintaining a Kubernetes-based Internal Developer 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

# 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 2024 (Expired)
* Kubernetes and Cloud Native Associate Nov 2024 – Dec 2026
* Kubernetes and Cloud Native Security Associate Dec 2024 – Dec 2026
* Certified GitOps Associate Dec 2024 – Dec 2026

# Personal Projects

## KUBERNETES & CLOUD-NATIVE

**EXTERNAL-DNS MIKROTIK PROVIDER -** <https://github.com/mirceanton/external-dns-provider-mikrotik>

* Go-based ExternalDNS webhook provider for MikroTik RouterOS device
* Officially listed in the Kubernetes SIG external-dns repository as a supported webhook provide
* Enables dynamic DNS record management for Kubernetes services using MikroTik routers as DNS servers

**MIKROTIK-TERRAFORM** - <https://github.com/mirceanton/mikrotik-terraform>

* Terraform and Terragrunt configuration for complete MikroTik-powered home network automation
* Automated configuration management for networking equipment using Infrastructure as Code principles
* Implements secure state management, modular design, and repeatable network deployment
* Demonstrates advanced networking concepts combined with DevOps automation practices

**KUBECTL-SWITCH** - <https://github.com/mirceanton/kubectl-switch>

* Go-based command-line utility for managing multiple Kubernetes configuration file
* Developed as an improved alternative to existing tools (kubectx, kubens) addressing their limitations with multi-file workflows
* Distributed via Go modules, Docker containers, and precompiled binaries with cross-platform compatibility

**TALSWITCHER** - <https://github.com/mirceanton/talswitcher>

* Go CLI tool for managing talosconfig files in multi-cluster Kubernetes environment
* Streamlines switching between different Talos Linux cluster configuration
* Designed for GitOps workflows and Infrastructure as Code practices

### GitHub Actions & CI/CD

**ACTION-FOLDER-MATRIX** - <https://github.com/mirceanton/action-folder-matrix>

* GitHub Action that dynamically generates CI/CD matrix configurations based on folder structur
* Enables efficient testing and deployment strategies for monorepo architecture
* Reduces pipeline complexity and improves build performance through intelligent job distribution

**ACTION-SEMVER-METADATA** - <https://github.com/mirceanton/action-semver-metadata>

* Node.js-based GitHub Action for extracting and processing semantic version metadata
* Automatically generates release notes and SemVer tags based on commit history and conventional commits

**ACTION-CALVER-RELEASE** - <https://github.com/mirceanton/action-calver-release>

* GitHub Action implementing Calendar Versioning (CalVer) with format [YYYY.MM](http://yyyy.mm).PATCH
* Automates release creation using date-based versioning for projects requiring chronological releases Integrates with GitHub's release API and supports automated changelog generation

# Education

## UNIVERSITY OF ENTREPRENEURSHIP, BUSINESS ENGINEERING AND MANAGEMENT

## *MSc in Digital Management*

## UNIVERSITY OF AUTOMATIC CONTROL AND COMPUTER SCIENCE

## *BSc in Systems Engineering*