

Mircea-Pavel Anton

Bucharest, Romania | +40756924762

mircea@mirceanton.com | <https://mirceanton.com> | <https://www.youtube.com/@mirceanton> | <https://www.credly.com/users/mircea-pavel-anton>

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 provider
- 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 files
- 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 configurations
- 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 structure
- 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.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