

Arkadiusz Tomala

Senior DevOps Engineer · Cloud Platform Engineer · **AWS · Kubernetes · GCP · Terraform**

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📍 Poland (EU citizen) · UTC+2, flexible for US/CA hours

01 SUMMARY

Senior DevOps / Cloud Platform Engineer with **15+ years in infrastructure** — from carrier networks and BGP to building **multi-account AWS landing zones** and production platforms on **AWS, GCP and Kubernetes**. Everything as code with **Terraform and Helm**, delivered through **GitOps (Argo CD)** and GitHub Actions, secured with a shift-left **DevSecOps** toolchain and operated with **SRE practices** (SLOs, on-call, postmortems). Strong in hybrid networking, FinOps and platform engineering that gives developers self-service, paved-road infrastructure. **AWS Solutions Architect, CKA, CKAD and Google Cloud certified**.

02 CERTIFICATIONS

AWS Certified Solutions Architect – Associate

Amazon Web Services

Certified Kubernetes Administrator (CKA)

CNCF / Linux Foundation

Certified Kubernetes Application Developer (CKAD)

CNCF / Linux Foundation

Google Cloud Certified

Google Cloud

03 CORE SKILLS

AWS

Organizations, Control Tower, SCPs, IAM Identity Center · EKS (Karpenter), ECS, ECR, EC2/Spot, Lambda, Step Functions, EventBridge, SQS, SNS · VPC, Transit Gateway, Direct Connect, Route 53, CloudFront, WAF, ALB/NLB · RDS/Aurora, DynamoDB, DocumentDB, ElastiCache, S3 · KMS, Secrets Manager

AWS SECURITY

GuardDuty, Security Hub, CloudTrail, AWS Config, Inspector, least-privilege IAM

GOOGLE CLOUD

GKE (Standard / Autopilot), Cloud Run, Compute Engine · VPC, Shared VPC, Cloud Interconnect, HA VPN, Cloud NAT, Cloud Load Balancing, Cloud Armor · IAM, Workload Identity · Cloud SQL, Pub/Sub, Cloud Storage, BigQuery · Artifact Registry, Cloud Build · Secret Manager, Cloud KMS

KUBERNETES

EKS, GKE, on-prem clusters, Helm, Istio, Argo CD / GitOps, Karpenter, Docker; Azure (AKS basics)

IAC & CI/CD

Terraform, Terragrunt, GitHub Actions, GitLab CI/CD, Jenkins, Cloud Build

DEVSECOPS

Trivy, Checkov, tfsec, OPA Gatekeeper, Kyverno, SBOM, Sigstore cosign, Renovate, HashiCorp Vault

SRE & PLATFORM

SLOs/SLIs, incident response, on-call, blameless postmortems, runbooks · Backstage, golden paths, self-service infrastructure

OBSERVABILITY

OpenTelemetry, Prometheus, Alertmanager, Grafana, Loki, OpenSearch, Dynatrace, Datadog, CloudWatch, Cloud Monitoring

FINOPS & DR

Cost Explorer, Savings Plans, Reserved Instances, Compute Optimizer, Spot · AWS Backup, RTO/RPO, multi-AZ, multi-region

COMPLIANCE

ISO 27001, SOC 2 and GDPR-aligned environments

NETWORKING

BGP, OSPF, PIM, VLAN, VPN, DNS/DHCP; Cisco, Juniper, Huawei, MikroTik

AI ENGINEERING

AI agents, MCP servers, LLM-assisted DevOps automation

SYSTEMS & CODE

Linux (expert), Bash, Go, Proxmox, PostgreSQL, Snowflake

04 EXPERIENCE

Founder & Principal Cloud / DevOps Consultant · **TomalaIT**

Dec 2013 – Present

Independent consultancy — cloud architecture, platform engineering and networking for SMB and fintech clients.

- Built a **multi-account AWS landing zone from scratch** — Organizations, Control Tower, SCP guardrails, IAM Identity Center (SSO) and a centralised security baseline with GuardDuty, Security Hub, CloudTrail, Config and Inspector.
- Operate **EKS with Karpenter** (Spot-first) and **ECS** platforms; run **FinOps** with Savings Plans, Reserved Instances, Compute Optimizer and Cost Explorer.

- Delivered GCP platforms on **GKE (Standard/Autopilot)** and **Cloud Run** with Shared VPC, Cloud Armor, Workload Identity, Cloud SQL and Pub/Sub.
- Designed **hybrid networking across AWS, GCP and on-prem** — Direct Connect, Transit Gateway, Cloud Interconnect, HA VPN — with secure data exchange between environments.
- Engineered resilience: **DR with defined RTO/RPO**, multi-AZ / multi-region architectures and AWS Backup policies.
- Built event-driven **serverless** workloads with Lambda, EventBridge, SQS/SNS and Step Functions.
- Implemented observability with **OpenTelemetry, Prometheus, Alertmanager, Grafana and Loki**; shipped EKS and AWS logs to an **on-prem OpenSearch** cluster.
- Introduced **SRE practices** — SLOs/SLIs, on-call, incident response, blameless postmortems and runbooks.
- Shifted security left: **Trivy, Checkov/tfsec, OPA Gatekeeper/Kyverno, SBOM and cosign** image signing; **Renovate** for automated vulnerability patching.
- Work with **AI agents and MCP (Model Context Protocol) servers** — integrating LLM-driven automation with cloud, Kubernetes and CI/CD tooling.
- Platform engineering with **Backstage** — golden paths and self-service infrastructure; CI/CD with GitHub Actions, GitLab CI and Jenkins, secrets in Vault.
- Manage **RDS/Aurora, DynamoDB and Cloud SQL** — provisioning, backups, performance and upgrades; delivered in **ISO 27001 / SOC 2 / GDPR**-aligned environments.
- Re-platformed a **cryptocurrency exchange from EKS to on-prem Kubernetes**, significantly reducing infrastructure spend.
- Delivered an IoT sensor-event pipeline on AWS feeding Snowflake and Sigma BI; built HA Proxmox private clouds and WireGuard access layers.

DevOps Engineer • **Softkraft**

Nov 2021 – Mar 2022

- Provisioned dev / stage / prod AWS environments with **Terraform + Terragrunt**.
- Designed a bastion-host security model isolating all private infrastructure.
- Implemented CI/CD from GitHub to **ECR and ECS** with automatic task-definition rollout after each build.

stack: AWS ECS • ECR • Terraform • Terragrunt • Ansible • Prometheus • Grafana • Linux

DevOps Engineer • **Webanywhere**

Dec 2020 – Aug 2021

- Migrated workloads to AWS and codified infrastructure in Terraform.
- Implemented monitoring with Zabbix and Grafana; supported developers on infrastructure issues.

Systems & Network Administrator • **Polish Mining Group**

Dec 2018 – Dec 2020

- Redesigned the corporate network with OSPF and VLAN segmentation (Cisco, Juniper, MikroTik).
- Modernised DHCP, DNS and NFS services and planned network capacity growth.

Network Engineer • **Orange Poland**

Apr 2011 – Dec 2013

- Provisioned, configured and maintained **DSL / ADSL** broadband services in a national carrier network.
- Diagnosed and resolved access-network and connectivity faults, working with field and NOC teams.
- Supported day-to-day operation of access and aggregation network infrastructure.

Network Administrator • **Tech-LAN**

Jan 2009 – Dec 2013

- Designed, built and managed **WLAN and LAN** networks — from planning and hardware installation to day-to-day operation.
- Administered Linux network services: **DHCP, DNS and FTP** servers.

05 EDUCATION

Silesian University of Technology, Gliwice, Poland
Electronics and Telecommunications · 2016 – 2020

06 LANGUAGES & WORK

English — professional working proficiency

Polish — native

Work: remote · B2B / contractor or full-time · EU work rights