

# Mike Vainio

DevOps and Cloud Architect

📍 Helsinki, Finland



## Working Languages

- English
- Suomi
- Svenska

## Contact

✉ mike [at] maik.fi

 LinkedIn

## Key Experience

- Experience maintaining and deploying Kubernetes clusters and shifting existing workloads to Kubernetes
- Deep knowledge with tool and process automation and practices, such as Continuous Integration and Delivery
- Experience with automated infrastructure provisioning in AWS, Azure, GCP and OpenStack
- Deep knowledge of networking and related security best practices
- Experience with multiple programming languages and utilizing software industry's workflows and patterns to infrastructure code as well
- Excellent all-round technical ability, always a highly valued asset on any team

## Key Technologies

**Infra & Orchestrators:** AWS, Azure, GCP, OpenStack, Kubernetes, OpenShift, vSphere

**Programming Languages:** Golang, Python, Bash, Multiple DSLs, etc.

**Automation:** Terraform, Ansible, Heat, CloudFormation, Custom tools

**CI/CD Tools:** GitHub Actions, BitBucket pipelines, Jenkins, GitLab CI/CD, Azure DevOps

**Monitoring:** Prometheus, Grafana, ELK, Splunk

**Security:** Trivy, Service Mesh, HashiCorp Vault

**Misc:** Packer, Cucumber, HTMX, NATS

## Work Experience

### Verifa, Finland - Cloud Architect

August 2021 - PRESENT

#### Projects:

Unikie, Finland (Subcontracting) (2 months)

Designing and implementing cloud infrastructure to support satellite telemetry and control centres. Leading the AWS networking and security implementation.

Automotive Company, Sweden (1 year - ongoing)

Building a common infrastructure platform to allow software development teams to focus on development instead of Cloud infrastructure. Designing and implementing the architecture for artifact storage and database systems on OpenShift both in Cloud and on-premises.

**Technologies used:** OpenShift, Artifactory, Azure DevOps, Go, Terraform

Automotive Company, Sweden (1.5 years)

Deploying centralized secret management and service mesh to solve problems regarding security and accelerating development flow by eliminating long lead times on network infrastructure changes. **Technologies used:** Azure, Helm, OpenShift, GHA, ArgoCD, Terraform

Technology Company, Finland (2 years)

Daily operations and improvements to cloud infrastructure and CI processes with Jenkins, Kubernetes and AWS. Sophisticated IaC code base with support for blue/green Kubernetes deployments. **Technologies used:** AWS, EKS, Jenkins, Flux, Terraform

### Unikie, Finland - DevOps Consultant

June 2020 - July 2021

Worked on a customer project maintaining, automating deployments and enhancing observability of their global scale in-house software offering which runs on a public cloud.

## **Nokia Solutions and Networks, Finland - Cloud Engineer**

December 2017 - May 2020

Working as part of a DevOps team bringing a traditional monolithic application to cloud and eventually transforming it into a cloud native application. Lead developer for automated software lifecycle actions and deployment (Python, Ansible, Packer, Kubernetes). Software under development was in the NFV domain where high availability, security and performance is critical for success.

## **Varian, Finland - IS Trainee / System Administrator**

April 2015 - December 2017

Working in a small but efficient IT team supporting the R&D and other departments with local IT infrastructure. Deploying operating systems and network hardware and also administering user accounts and permissions in various systems.

## **SOLEMO, Finland - Mikrotukihenkilö**

June 2013 - August 2014

Troubleshooting and supporting company employees with their hardware and software related issues. Deploying new IT equipment and renewing old hardware.

## **Certifications**

- **AWS Certified DevOps Engineer - Professional** January 2024
- **AWS Certified Solutions Architect - Associate** September 2021
- **AWS Certified Developer - Associate** December 2020
- **Google Professional Cloud Architect** August 2022
- **CNCF Certified Kubernetes Administrator** October 2020
- **HashiCorp Terraform Associate** February 2022
- **HashiCorp Vault Associate** February 2022
- **HashiCorp Consul Associate** March 2022
- **HashiCorp Terraform: Certified HashiCorp Implementation Partner (CHIP)**  
September 2022

- HashiCorp Vault: Certified HashiCorp Implementation Partner (CHIP) April 2022

## Education

### **Metropolia University of Applied Science, Finland**

*Master of Engineering in Business Informatics*

2022 - 2023

### **Metropolia University of Applied Science, Finland**

*Bachelor of Engineering in Information and Communication Technology*

2014 - 2017