

Mala Shrestha

CLOUD ENGINEER

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<https://github.com/mshrest>, 🌐

<https://gitlab.com/users/malashres/projects>

SUMMARY

A hard working certified Cloud Engineer having keen interest in technologies with two years of working experience. Opened to new challenges and perceive them as opportunities to learn and grow.

COMPETENCE

Cloud Computing (AWS and GCP) ● ● ● ● ●

CI/CD (Github Actions) ● ● ● ● ●

Web Development ● ● ● ● ●

Infrastructure As A Code (Terraform & AWS CloudFormation) ● ● ● ● ●

Agile Project Management (Jira) ● ● ● ● ●

Containerization (Docker, Kubernetes) ● ● ● ● ●

Databases (MySQL and Firebase) ● ● ● ● ●

GitLab ● ● ● ● ●

PERSONAL SKILLS

Quick Learner ● ● ● ● ●

Communication ● ● ● ● ●

Research and Development ● ● ● ● ●

Problem-solving ● ● ● ● ●

Attention to details ● ● ● ● ●

Leadership ● ● ● ● ●

Project management ● ● ● ● ●

EXPERIENCE

Cloud Engineer

Nordcloud Oy Feb 2023 - Sep 2023

- VR

Worked in VR Core Infrastructure (creating new infrastructure with Terraform as well as updating the existing ones) and data analysis of Security Hub Findings

Used Tools:

Terraform, Terraform Cloud, AWS CloudFormation, AWS Networking, AWS SNS, Monitoring tools, AWS Core Infra, TECH-SKILL: DevOps IaC Tools - AWS CloudFormation, Github Actions, Data analysis pipeline with AWS EventBridge, AWS Kinesis, AWS Glue, AWS Athena, Amazon QuickSight

Junior Cloud Engineer

Nordcloud Oy Dec 2021 - Jan 2023

- VR

September 2022-January 2023

Worked in VR Core Infrastructure (creating new infrastructure with Terraform as well as updating the existing ones)

Used Tools:

Terraform, AWS, AWS CloudFormation, Github, Terraform Cloud, AWS Networking, AWS SNS, Monitoring tools, AWS Core Infra

- MIGRATE TO VIRTUAL MACHINE (FROM AWS TO GCP)

May 2022–September 2022

An upskilling/preparation project for a proposed e-price project which consisted of migrating workload in a hybrid cloud platform. This project focuses on migrating a virtual machine from AWS to GCP, where I was involved in implementing the solution both in console and via terraform. A workshop was run on the same with division of contents in episodes 1 and 2 within Nordcloud's internal audience.

Used Tools:

GCP, GCP Networking, Migrate for compute engine, Terraform, AWS, AWS Networking, EC2, Velostrata, Trello, Scrum / Agile

- DEPLOYING MICROSERVICES APPLICATION TO GKE

March 2022

A Landing zone team project to deploy an e-commerce microservices web application to GKE. Terraform was used to deploy the infrastructure and microservices docker images were deployed to GCR via skaffold using CI/CD with GitHub Actions. The project was conducted following an agile methodology, Scrum and all required security practices. The outcome was a fully functional e-commerce application hosted on GKE with a DNS name.

Used Tools:

GCP LandingZone, GCP Networking, GKE, GCP DNS, Skaffold, Istio/Service Mesh, Docker containerization, GCR, Github Actions, GCP Workload Identity Federations, IaC (Terraform), Monitoring Tools, Cloud Armor, Jira, Scrum / Agile

- DEPLOYING REACT APPLICATION USING GOOGLE KUBERNETES ENGINE

December 2021–January 2022

The very first individual project of Launchpad training, in which I dealt with the deployment of an open source React application, Calculator in Google Cloud Platform. Google Kubernetes Engine was chosen for the deployment while Terraform was used for automating infrastructure. For networking and security, VPC and Firewall were configured. Docker was used for the containerization of the application and the image was deployed to Google Container Registry. The image was then deployed to GKE.

Used Tools:

GCP, GKE, IaC (Terraform), Github, Google Container Registry, Docker

Software Developer

Hivemind Oy *Sep 2020 - Mar 2021*

- A Capstone project as part of a course curriculum, which was about creating a free invoice template using React JS, Redux and Firebase.
- Collaborated with agile development team to develop web-based software application.
- Informed project manager of milestone updates and provided detailed project reports.
- Documented technical specifications for future reference and other assignments.

EDUCATION

Master's Degree Programme in Information Technology, Computer Engineering
Åbo Akademi University *Oct 2019 - May 2024*

Bachelor of Engineering, Information Technology
Turku University of Applied Sciences *Aug 2015 - May 2019*

CERTIFICATES

dbt Fundamentals

Issued on Oct 2024

AWS CERTIFIED SOLUTIONS ARCHITECT ASSOCIATE

VALID FOR APRIL 2023–APRIL 2026

GOOGLE CLOUD CERTIFIED ASSOCIATE CLOUD ENGINEER

VALID FOR MARCH 2022–MARCH 2025

HASHICORP CERTIFIED TERRAFORM ASSOCIATE

VALID FOR AUGUST 2022–AUGUST 2024

AWS CERTIFIED CLOUD PRACTITIONER

VALID FOR JULY 2022–JULY 2025

LANGUAGES

Nepali



Finnish



English



Hindi



REFERRAL

Upon Request