



## Lead AWS Cloud & DevOps Engineer



*"A learning experience is one of those things that says, 'You know that thing [I] just did? Don't do that' ~ Douglas Adams*

## Summary

I'm a highly communicative and curious cloud enthusiast who can help you make the most of your cloud journey. Whether through hands-on engineering, training, workshops, or coaching. During my career as a cloud specialist, I worked on many cloud and DevOps projects across various enterprises, SME, and start-up teams, often in regulated industries (Telecom, Fin-Tech and Health-Tech). My role was diverse and ranged from hands-on Cloud & DevOps engineering to helping with the implementation of cloud strategy.

In all of these roles, I prefer to have a **business-value driven, hands-on and collaborative way of working**. I also love to support teams to build well-documented and highly automated platforms and applications. My main area of expertise is designing and building AWS cloud-native solutions and platforms (containers, serverless, data) for 7+ years, often combined with backend and data platform engineering in Python and programming in general for 15+years. As a Serverless AWS Community Builder, I also like to share this knowledge in blog-posts or live at AWS community events.

In other words, I love to build and I love to help people build.

## Core Technical Competencies

### AWS Solution Architecture

Highly proficient with containers, serverless, multi-tenant SaaS applications, networking, multi-region applications, data platforms, event-driven architectures, integration platforms and the well-architected framework

### Data & ML Platform Engineering

Experienced with building cloud-native platforms used by data and ML teams. Also experienced with Snowflake, AWS Glue, Athena, Lake Formation, DMS, Pandas, AWS Wrangler. Experience in data modeling, transformation, orchestration and visualization with Metabase and QuickSight.

### DevOps & Automation

Highly proficient with infrastructure as code (Terraform, CDK, Pulumi, Serverless Framework), observability (CloudWatch, X-Ray, Datadog), serverless testing, CI/CD (GitHub, BitBucket), API development, autoscaling, programming (Python, TypeScript, Bash)

### Governance & Security

Highly proficient with landing zone design (AWS Organizations, GuardDuty, Config, Security Hub), Orca Security, AWS WAF, Cloud Custodian, Cognito

## Core Non-Technical Competencies

### Training, Coaching & Workshops

Hands-on coaching and training in Python, AWS, IaC and data engineering. I help individuals and teams get started and grow—both in 1-on-1 sessions and in group workshops, with a personal, practical style.

### IT Project Management

Stakeholder management, Budget tracking, Customer Satisfaction, Roadmapping

### AWS Community builder

Public Speaking, Blog-Writing, AWS Community Events

### Interdisciplinary Collaboration

(Pre-)Sales, Marketing, Legal, CISO

### Languages

Dutch, English

## Certifications

### Amazon Web Services

Accreditations and certifications

- AWS DevOps Engineer - Professional (DOP)
- AWS Solutions Architect - Professional (SAP)
- AWS Certified Security - Specialty (SCS)
- AWS Advanced Network Specialty (ANS)
- AWS Certified Data Engineer (DEA)
- AWS Solutions Architect - Associate (SAA)
- AWS Certified Developer - Associate (DVA)
- AWS Certified Cloud Practitioner - Associate (CLF)

## Work experience

### Datacloud platform team (Alliander)

Arnhem

Freelance Architect

Jan. 2024 - Dec. 2024

During this project, I was responsible for professionalising both the technical foundation and the skillset of the infrastructure team behind the Alliander Datacloud. We collaborated closely with data engineering and data science teams to accelerate their delivery and help them create tangible value for the organisation.

- **Worked with the following practices and technologies:**

Snowflake, Stored Procedures, Personal Coaching, AWS Step Functions, AWS CDK, Matillion.

### CloudNation

Principal Consultant

Apr. 2019- Oct. 2023

As a principal AWS Cloud Consultant, I help customers to be more successful in the cloud. I'm responsible for designing and building solutions on AWS according to best practices and tailored to the customers' needs. I'm also responsible for roadmapping, planning and customer satisfaction. Thirdly, I'm focused on knowledge sharing in a formal or informal setting, for example by giving workshops, speaking on the AWS community days and writing blog posts. During my time at CloudNation, many of my customers ended up being long-time engagements and public customer success stories.

- **Core competencies:**

- AWS Cloud & DevOps Solution Architecture.
- AWS Cloud, Data- & DevOps Engineering.
- Workshops and pair-programming.
- Technical project management.
- Team coaching.
- Public Speaking and knowledge sharing.
- Presales.

### Data landing zone (ISV Scale-up) - via CloudNation

Greenfield

Principal Consultant

Sept. 2023 - Nov. 2023

During this project, I was responsible for the design of a multi-tenant dashboarding solution on AWS. The goal was to securely provide customers with new insights in their own data. Information had to be processed in a regulated industry, so compliance and governance were key to the success of the project. By leveraging on serverless services, we minimized future operational effort.

- **Worked with the following practices and technologies:**

Design tooling, roadmapping, CDK, Athena, Glue, S3, KMS, Metabase, Lambda, Python.

## SaaS Application Modernization & Migration (ISV Scale-up) - via CloudNation

Migration & Modernization

Principal Consultant

Feb. 2023 - Jun. 2023

Led a team of cloud engineers to design and build the infrastructure for a multi-tenant SaaS solution on AWS. The goal was to simplify and automate operations and accelerate innovation. I was responsible for designing the cloud architecture, while dealing with rapidly evolving customer requirements and constraints. Together with the team, we have built the solutions from scratch, adjusting the architecture when needed. Additionally, I gave workshops to further educate the customer on cloud infrastructure.

- **Worked with the following practices and technologies:**

Architecture tools, roadmapping, deployment automation, AWS ECS, Traefik, Terraform, CodeDeploy, Step Functions, security and compliance best practices, formal and informal knowledge transfer.

## Event-Management Platform (PostNL) - via CloudNation

Enterprise, Greenfield Innovation

Principal Consultant

Jun. 2020 - July. 2021

My primary responsibilities included the design and hands-on development of a cloud-native event management platform. The goal of the project is to show the business value of such a platform and inspire the business to become more automated. Therefore, a strong focus is put on demonstrating new functionality and stakeholder communication.

- **Worked with the following practices and technologies:**

API gateway, Lambda, DynamoDB, Kafka, EventBridge, Typescript, AWS cloud development kit (CDK)

## Workshops serverless data engineering on AWS - via CloudNation

Workshop

Principal Consultant

Aug 2022

During these workshops, I helped both internal and external data engineers and platform engineers with fundamental knowledge of data engineering services on AWS.

- **Worked with the following technologies:**

S3, AWS Lambda, AWS SDK for Pandas, Athena, Glue, Athena, Step Functions

## AWS Landing zone (VodafoneZiggo) - via CloudNation

Enterprise, platform engineering

Cloud Consultant

2020 - 2021

Advised and implemented enterprise-scale landing zone. The focus was on governance, integration and automation. Using my previous experience, we were able to set up a production-ready landing zone in a matter of weeks. After this time, the focus was on improving and adding business value by simplifying cost management and governance.

- **Worked with the following practices and technologies:**

AWS deployment framework (ADF), Lambda, DynamoDB, CodeCommit, CodePipeline, terraform, CDK.

## Cloud-Native Web App (Health-Tech Start-up) - via CloudNation

Modernization

Principal Consultant

Feb. 2023 - Oct. 2023

During this project, I was responsible for the cloud architecture, project management, and quality of deliverables of a multi-region serverless web application. The goal was to build a secure, scalable solution that worked on both for very small load and larger load. We have built the application with a team of cloud engineers of CloudNation, for which I was in the lead. I was responsible for prioritizing the project roadmap, project scope, budget, cloud-architecture, engineering quality and customer satisfaction.

- **Worked with the following technologies:**

Serverless Stack (SST), CDK, RDS Serverless, AI Pipeline Automation Using Step Functions, Landing Zones

## Application modernization & migration (BuyBay B.V.) - via CloudNation

Migration & Modernization

Principal Consultant

Mar. 2020 - Oct. 2020

During this project, a legacy AWS environment was migrated to a well-architected landing zone. The goal of the project was to simplify operations and downtime, enabling the customer to sell their application as a SaaS product. The project included writing infrastructure as code, database migrations, storage migration and DNS migrations.

I took the role of designing the new environment with a proper multi-account architecture and application infrastructure architecture. Also, I wrote infrastructure templates and deployed them to this new environment. I also was the main contact for the customer during this migration.

- **Worked with the following practices and technologies:**

AWS, VM's & Containers (ECS), RDS, Cloud Architecture, Project management, Application migration

## **AWS Landing Zone (Rabobank) - via CloudNation**

*Enterprise, platform engineering*

Cloud Engineer

2019 - 2021

I helped to design and build a secure and highly automated landing zone for DevOps teams within the Rabobank. Many automated checks were built using serverless technologies like AWS Lambda and serverless containers running on AWS Fargate. I also worked with AWS ElasticSearch service and AWS Cloud Custodian to improve visibility and security of IT infrastructure at scale.

- **Worked with the following practices and technologies:**

AWS, Fargate, Serverless, CloudFormation, AWS deployment framework (ADF), elasticsearch, reverse proxies

## **Cloud Transformation & Engineering (KPN)**

*Enterprise, Enterprise Architecture*

Young Talent Program

2017 - 2019

In two separate projects, I contributed to the KPN cloud strategy in the enterprise architecture team, and subsequently worked on cloud architectures as a cloud engineer. During the former, I worked with many stakeholders (legal, privacy, architects etc.) to enable more IT agility. In the latter I was collaborating with a team of architects and engineers to help customers achieve their goals.

- **Exercised the following competencies:**

Stakeholder management, Interdisciplinary collaboration

## **Education**

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### **Eindhoven University of Technology**

*Eindhoven, The Netherlands*

Masters in Applied physics (cum laude)

2014 - 2017

### **Eindhoven University of Technology**

*Eindhoven, The Netherlands*

Bsc. in Applied Physics

2011 - 2014