
Martin Caarels

Principal Cloud / DevOps Architect

7 Cedar street

Lower Hutt, Maungaraki

Wellington, 5010

+64 (0)22 405 4011

Martin@Caarels.com



Portfolio

Employer: Leaven / CCL

Project: Attain AWS Premier Partner Status

Feb 2023 - July 2024

Worked to align business practices with the requirements for achieving AWS Partner Premier status. Collaborated with teams across the organization to ensure we met the necessary competencies and requirements. Developed strategies and processes that improved our service offerings and strengthened our relationship with AWS. Successfully managed the certification process, showcasing our commitment to providing high-quality cloud solutions.

[Case Study](#)

Employer: Leaven

Project: Cloud Migration Kathmandu

October 2021 - April 2022

Conducted a comprehensive migration assessment and executed the mobilize and modernize phases for approximately 120 virtual machines hosted on a co-located VMware environment, utilizing the AWS Migration Acceleration Program (MAP) format and adhering to AWS best practices. Collaborated with an internal team of subject matter experts and held regular meetings with client stakeholders to ensure alignment and transparency throughout the migration process. Led a team of Leaven engineers using Scrum and sprints, facilitating a smooth transition during the migration. Utilized AWS Application Migration Services and Database Migration Services to facilitate the migration of a diverse mix of Windows Server and Linux operating systems, including large Microsoft SQL databases. Modernized various servers into serverless alternatives, enhancing efficiency and scalability. Achieved significant cost savings and reduced overhead for the client through optimized resource utilization and streamlined operations.

[Case Study](#)

Employer: Kiwibank

Project: Cloud Foundations Platform

November 2020 - September 2021

Design and implement a Cloud environment based on best practices with a security profile fit for banking environments.

Leverage AWS services such as Control Tower to automatically deploy and enroll AWS accounts for projects and organizational teams.

Design and write infrastructure as code using Hashicorp Terraform, deploy through AWS CI/CD tooling.

Upskill Cloud Foundations team, upskill Kiwibank project teams and organization at large.

Design and implement security best practices, ensure infrastructure and code adheres to the highest security standards, promote these practices in team and outside of team.

Promote cloud native culture, mindset, and way of working, host workshops, assist teams with deploying cloud native solutions.

Employer: Consegna.cloud

Project: Application Microservices and Cloud migration

Client: Public Sector (N.D.A.) - New Zealand

April 2019 - August 2020

Enabled the in house development and infrastructure team with refactoring their monolithic JAVA based app into a container and cloud based infrastructure.

Convened bi-weekly with C.I.O. to define strategy.

Advised head of I.T. services on strategic roadmap.

Regular meetings with the head of I.T. the head of I.T. systems and the network lead on implementing VMC on AWS networking and firewalling solutions.

Assisted and advised on migration of on premises services into the cloud with zero downtime.

Advised head of development on cloud improvements, security practices, and technical debt remediation.

Hosted in house training to up-skill developers and ops engineers.

Developed and implemented cloud native best practices.

Implemented and enabled in house team on infrastructure as code through AWS cloudformation and CI/CD pipelines through AWS codepipeline.

Successfully migrated a monolithic application into the AWS cloud platform using serverless technologies.

Employer: Consegna.cloud

Project: Application cloud migration

Client: Bank (N.D.A.) - New Zealand

February 2019 -June 2019

Co-designed and deployed a multi account AWS “landing zone” cloud environment.

Implemented security guardrails.

Advised head of architecture on weekly strategy meetings.

Enabled and up-skilled in house ops team with on-site training.

Designed and implemented bespoke networking solutions using technologies such as BGP.

Implemented and enabled in house team on infrastructure as code through AWS cloudformation and CI/CD pipelines through AWS codepipeline.

Employer: ITQ

Project: L.U.C.I. (On Premises Private Cloud)

Client: University of Leiden -the Netherlands

February 2018 - November 2018

Design and implement an automation platform using vmWare vRealize technologies in combination with puppet. Created workflows that enabled the team to provide basic infrastructure building blocks to the organization through a central provisioning platform.

Enabled the team to quickly develop and deploy new puppet configurations. Designed and implemented a Testing, Staging, Production pipeline complete with testing through Jenkins and automated deployments.

Assisted the team in acquiring puppet, git, javascript, and vRealize knowledge through one to many, and one to one sessions. Assisted the team in acquiring knowledge and experience in working with scrum / agile methodologies.

In house training on GIT.

Used, vRealize Orchestrator, vRealize Automation, Puppet open source, javascript, python, bash-script, Jenkins, powershell, Git, Rhel7, ubuntu16.04, windows server 2012, windows server 2016.

Employer: ITQ

Project: Private Cloud Automation

Client: A.S.R. Insurance - the Netherlands

November 2017

Enabled the internal team by educating them through learning on the job and example driven teaching to master the vRealize Suite.

Create workflows within vRO with the team for custom use-cases.

Create custom plugins for puppet enterprise in vRO to enable configuration orchestration on their on premises infrastructure with a deep focus on security.

Used: vRealize Orchestrator, vRealize Automation, Puppet enterprise, javascript, Rhel7.

Employer: ITQ

Project: CloudFoundry

Client: Department of Waterways and Public Works - the Netherlands

August 2017 - November 2017

Configure support and maintain 2 Pivotal Cloud Foundry deployments on VMware Vsphere infrastructure.

Enabled and coached development and deployments on Cloud Foundry infrastructure for the internal development and infrastructure teams.

Provided demo's presentations and knowledge sharing sessions to promote Cloud Foundry use and adoption within the organization.

Created smoke tests that ensured the health and continuity of the production environment.

Used: Cloud Foundry, Docker, Concourse-Cl, Bosh, Git, Python, Golang, Bash, Rhel7, ubuntu16.04.

SOCIAL MEDIA / WEBLINKS



<https://twitter.com/MartinCaarels>



<https://www.linkedin.com/in/caarels/>



<https://github.com/martyca>



<https://blog.caarels.com/>

To view this resume in its entirety and on-line with working hyperlinks, open the following url:

resume.caarels.com

