Christoffer Windahl Madsen, DevOps Engineer, IaC Expert, Azure Cloud specialist

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LINKS

codeterraform (blog), codeterraform (github), linkedin

PROFILE

Technology, particularly computers, has always piqued my interest, and my passion has continued to grow with age and expanding knowledge. During my internship to become a data technician, I gained a profound appreciation for the significance of coding in the IT industry. Working with various scripting and Infrastructure as Code (IaC) languages, notably PowerShell and Terraform, along with the principles of DevOps, has provided insights into the expertise and tools required to establish a highly agile, secure, and scalable platform. This experience is complemented by over 8 years of hands-on experience with Azure Cloud and virtualization.

EMPLOYMENT HISTORY

Nov 2023 — Present

Cloud specialist / Terraform expert, Automize
Copenhagen

In my role as a Cloud specialist and Terraform/DevOps expert, I continue where I left off at Netcompany in terms of consultancy and supporting our customers in building Azure solutions/platforms. This involves leveraging best practices as defined by Microsoft and other relevant vendors, particularly in the areas of Infrastructure as Code (IaC), automation, code in general, DevOps, and more.

May 2023 — Nov 2023

Cloud specialist / Terraform expert, Netcompany
Copenhagen

Shortly after successfully completing the Festina Project, I was once again assigned to another customer, Topdanmark, an insurance company that had sold its pension system to another bank. Netcompany was engaged as a partner to facilitate the migration and transition of an on-premises solution to Azure.

In my role, I defined Terraform coding standards and created reusable modules, providing support to over 200 application developers in the creation and use of standardized code for deploying Azure resources. Leveraging my over 7 years of Azure administrator experience, I not only managed deployments but also configured governance, security, specific Azure components, networking, automation, and various other aspects.

On the technical front, I served as a technical lead, advocating for our chosen technologies and tools throughout the development cycle. I provided support to projects, guiding them in the efficient and secure utilization of these tools to create concise, securely connected, and maintainable resources in the Azure tenant and various subsets of Azure landing zones (Microsoft CAF).

Feb 2023 — May 2023

Cloud specialist / Cloud consultant, Netcompany
Copenhagen

During this period, I was seconded as a Cloud specialist, working directly for a client named Festina Finance. My responsibilities included creating Azure pipelines for both CI and CD operations, with a focus on deploying Infrastructure as Code (IaC) and serving as the Terraform specialist. I took on the task of building an entire platform in Azure using Terraform, az cli, YAML, and PowerShell to support deployments, configurations, and maintenance.

The platform comprised various technologies, such as Kubernetes (AKS), Service Bus, Eventhubs, CosmosDB, Private endpoints, and a range of dependencies. All code developed during the project adhered to Microsoft best practices, emphasizing generalization to make the solution more dynamic, reusable, secure, and standardized. The project concluded with an adaptation phase, during which I was tasked with testing, monitoring, creating documentation, and, in general, maintaining the platform as it was released to production.

Feb 2022 — Feb 2023

Operations Engineer, Netcompany
Copenhagen

I was a member of the Cloud Infrastructure team, comprising an 8-person team, responsible for overseeing all internal Azure tenants (200+) and subscriptions (300+). My role involved managing governance, security, operations, and development aspects.

After three months, I initiated the development of an Automation Framework in PowerShell, effectively addressing a significant challenge that had previously consumed thousands of hours annually on repetitive tasks. This framework drastically reduced the time required to complete all our operations tasks.

Designed, configured, and managed a comprehensive Azure DevOps organization utilized by the internal team. This included designing GIT flows, CI/CD processes, and implementing testing and quality assurance measures. Continued to enhance automation solutions and further developed my skills in DevOps.

Designed, configured, and managed a framework built with PowerShell and Terraform for the automated deployment of necessary resources using automation, Infrastructure as Code (IaC), and Azure DevOps pipelines.

This solution completely standardized the process of preparing new tenants, subscriptions, management groups, and other types of resources related to governance, security, and operations.

| Oct 2021 — Feb 2022 | **Operator in Azure Cloud, Fellowmind, formerly known as ProActive** | Copenhagen |

After successfully completing my education with an A+ on my final exam, I transitioned within the same company to a new role with significantly increased responsibilities. I took over the responsibility for multiple of our operations customers and contributed to building, managing, and improving the tools we used to deliver high-quality solutions and ensure the uptime of critical customer infrastructure.

| Apr 2017 — Oct 2021 | **Apprentice in IT / Cloud / Networking, Fellowmind, formerly known as ProActive.** | Copenhagen |

As part of my apprenticeship, I have traversed all levels of support within IT operations. Beginning with aiding over 200 colleagues in 1st level support, I progressed to the Operations team for Azure Cloud. Over the course of the 4 years dedicated to Azure, I specialized in automation.

I developed a comprehensive PowerShell framework to automate a substantial portion of manual tasks, addressing monthly requirements outlined in our contracts with operations customers.

Performed maintenance on nearly the entire Microsoft Enterprise product line, overseeing the management, updating, and securing of Azure Virtual Machines along with all their dependencies.

CERTIFICATIONS

| Dec 2023 — Dec 2024 | **Exam AZ-104: Microsoft Azure Administrator, Microsoft** |

| Dec 2023 — Dec 2024 | **Exam AZ-305: Designing Microsoft Azure Infrastructure Solutions, Microsoft** |

EDUCATION

| Aug 2016 — Sep 2021 | **Data technician specializing in infrastructure, Tecnical Educational College (TEC)** | Copenhagen |

As part of my education, I underwent an apprenticeship. Please refer to page 1 under 'Employment History' for details.

| Aug 2010 — Jun 2014 | **Gymnasium (HTX, Higher technical education)** | Hilleroed |

| Aug 2009 — Jun 2010 | **Highschool (Junior), Exchange Student** | Atlanta |

| Aug 1999 — Jun 2009 | **Primary School** | Copenhagen |

The mandatory school system in Denmark

RECOMMENDATIONS

Emplyer: Netcompany   Copenhagen

And I quote "Christoffer has great passion for the technology he works with, and is very dedicated to deliver as promised, which makes him overcome any technical obstacle he meets on his way (sometimes a bit hacky).
Christoffer has a very high team spirit and feel of responsibility - he is doing everything he can to support the team and is loyal to them.
Christoffer came to Netcompany as a green profile and has - via above personal qualities - developed himself a lot and been involved in many important activities.
Good feedback from project members at client site. Thus; Christoffer is a good asset for your team.
With the right mentorship, supporting him in the disciplines around the technology incl. work-life balance, he will become a great IT professional."