Mihai Grigore

Hello, I'm Mihai and I'm a Senior Cloud Architect. I bring expertise in orchestrating strategic transitions from on-premise infrastructure to the cloud. Specializing in crafting robust cloud architectures, I contribute to enhancing organizational efficiency, scalability, and security. My role involves leveraging cutting-edge technologies like Terraform, GCP, Azure, and more to architect solutions that align with any business objectives. With a commitment to innovation and backed by certifications, including Professional Cloud Architect and Professional Cloud DevOps Engineer, I empower companies to embrace the full potential of cloud technology for a future-ready and competitive edge.

Experience

NTT Data (North America)

Senior Cloud Architect Consultant (remote) • Apr, 2024 — Present

Since joining NTT Data, i've leveraged my expertise as an cloud architect in Google Cloud to deliver impactful solution across various industries to different clients in North America (at the time of writing - November 2024 - three major clients). One client that i've worked with, was a major agricultural player which had a target to use their on-prem data with GCP Vertex AI. In order to achieve their goal, I had to create a **landing zone** in Google Cloud, involve all the business stakeholders in order to sync data from different platform such as SAP, Salesforce, different in-house applications and different SaaS to BigQuery. Another project which i was involved in was a client, one of the biggest logistic company in US, which wanted to migrate certain CI/CD pipeline jobs from Azure DevOps on-prem server to ADO (Azure DevOps Services). I designed and implemented robust CI/CD pipelines using their existing tools and adapting different services, to the newly Cloud setup. Furthermore, I facilitated the successful implementation of Apigee within Google Cloud for a leading home automation company, a subsidiary of a major industrial conglomerate. This involved designing and deploying cloud resources in an initial landing zone, then implementing the Apigee setup, managing API traffic, and ensuring secure communication between their IoT devices and cloud backend.

Regnology (Sibiu, Romania)

Cloud Architect (remote) • Jun, 2022 — Apr, 2024

As a Cloud Architect at Regnology, I took a leadership role in orchestrating the migration from on-premises to the cloud. My initial responsibilities involved designing and preparing the entire cloud infrastructure (landing zone) for the seamless transition, a task that encompassed migrating approximately 175 on-premises servers and arround 70 servers from diffrent cloud providers (OCI, AWS and Azure) to Google Cloud.
Taking charge of the cloud evolution, **I introduced efficiency and agility by automating the deployment of new resources using Terraform** , ensuring a swift and standardized approach to scaling our infrastructure. In tandem, I've maintained and updated the cloud infrastructure to align with the evolving needs of our developers and clients, ensuring optimal performance and resource utilization.
In this dynamic role, I extensively utilized a diverse technology stack, including Terraform, GCP, Azure, Okta, Jenkins, Python, Bash and Microsoft Power Platform, PowerBI. This holistic approach has empowered me to navigate the intricacies of multi-cloud environments, implement robust identity and access management solutions, streamline CI/CD pipelines for enhanced development workflows, create automation scripts and solutions, and provide reports for management and users.
In my continuous pursuit of excellence, I actively try to stay up to date to the latest technologies and trends. This commitment to innovation has allowed me to successfully implement cutting-edge solutions into our day-to-day business workflow, contributing to Regnology's technological prowess and future-readiness.

Continental Automotive Systems (Sibiu, Romania)

IT Operations Engineer (Hybrid) • Feb, 2019 — Jun, 2022

As an IT Operations Engineer at Continental Automotive Systems I was involved in different topics from automating deployment/enrolment of new servers in the production area with Powershell, to automating daily repetitive tasks with UIPath / PowerAutomate saving hours of work weekly, to developing apps using different programming languages (C#, Javascript, Python), to developing production ready software. Some of the key highlights are a parking web app (http://parking.contisibiu.com), a web app (that collected info from several tools and databases) acting as a self-service

tool (for over 1400 computers and over 500 users) where our internal customers could maintain computers in the production area, thus saving almost 50% of time consuming tasks of the IT Team.

KJ Web Office (Sibiu, Romania)

Fullstack Developer (on-site) • Apr, 2017 — Feb, 2019

My duties at KJ Web Office included developing, maintaining and updating different web applications for their clients portfolio. My passion and understanding of visual design, programing languages and databases, offered me the opportunity to work for this small company and serve as their primary web developer. As such, I was responsible for developing websites and mobile apps using technologies such as Angular, MySQL, SqlLITE, Node.js, Laravel and Ionic Framework.

Fashion Days Intenational Group (Bucharest, Romania)

Senior Photo Editor (remote) • May, 2012 — Apr, 2017

The main responsibility is ensuring that the quality of the visual content on the website is at the best possible level and according to the company standards.

Flanco (Bucharest, Romania)

Graphic Designer (on-site) • Apr, 2011 — May, 2012

Designed and implemented various offline and online advertising projects with banners, newsletters and landing pages. Also designed print and branding materials for new store openings

Ringier Group (Bucharest, Romania)

Photo Editor (on-site) • May, 2008 — Feb, 2009

Took part in creating, building and managing stock photography archive of entertainment news and sports. Drafted submission guidelines for the daily newspaper "Compact".

Education

National University of Political Studies and Public Administration (SNSPA)

Communication and Public Relations • 2012

Unirea Highschool (Bucharest, Romania)

High School Diploma • 2008

Certifications and trainings

GCP - Summary

From my first cert, Cloud Engineer, my certification journey has been marked by continuous learning, skill development, and a commitment to mastering the intricacies of cloud architecture. Beginning as an IT Operations Engineer, I embarked on this transformative path with hands-on experience supporting critical applications and a vision to transition to a DevOps role.
The progression started with earning the Cloud Digital Leader certification from Google, where I deepened my understanding of cloud strategy, economics, and migration. Armed with this foundation, I transitioned to the role of an Associate Cloud Engineer, demonstrating proficiency in deploying, monitoring, and maintaining projects on Google Cloud Platform (GCP).
Building upon these foundations, I pursued and attained the coveted Professional Cloud Architect certification. This pinnacle achievement underscores my ability to architect complex, scalable, and secure cloud solutions that align with organizational goals. With expertise in designing robust cloud-native systems, I've proven adept at translating business needs into efficient and innovative cloud architectures.

This journey reflects a dedication to excellence, a passion for cloud innovation, and a continuous pursuit of becoming a proficient and strategic leader in the dynamic field of cloud computing.

GCP - Professional Cloud Architect

Earning the Google Cloud Professional Cloud Architect certification validates my expertise in designing, developing, and managing robust, scalable, and secure Google Cloud solutions. I possess advanced skills in cloud architecture, including

designing and planning cloud infrastructure, managing implementation and migration, ensuring solution and operational reliability, and optimizing performance and cost. My proficiency spans compute, networking, storage, and security services, coupled with a deep understanding of cloud governance and compliance best practices. Crucially, I possess FinOps capabilities, allowing me to design cost-optimized solutions, monitor spending, and implement strategies for maximizing cloud resource utilization and minimizing operational expenses while achieving business objectives. This comprehensive knowledge enables me to deliver impactful cloud solutions that meet both technical and financial requirements.

GCP - Professional Cloud DevOps Engineer

Achieving the Google Professional DevOps Engineer certification demonstrates my expertise in automating and optimizing infrastructure on Google Cloud, fostering a culture of collaboration and continuous improvement. I am proficient in implementing and managing continuous integration/continuous delivery (CI/CD) pipelines, infrastructure as code, and monitoring/logging solutions. My skills encompass configuration management, container orchestration with Kubernetes, and service reliability engineering principles. I can leverage SRE practices to enhance application performance, reliability, and resilience. Furthermore, my understanding of security best practices ensures secure and compliant deployments. This certification also reflects my ability to optimize operational processes, reduce costs, and improve the overall efficiency of software delivery within Google Cloud environments.

GCP - Associate Cloud Engineer

As a certified Associate Cloud Engineer by Google, I bring a robust skill set and in-depth knowledge to the realm of cloud engineering. Proficient in the Google Cloud Platform (GCP), I have demonstrated expertise in deploying, monitoring, and maintaining projects on GCP infrastructure.
My certification attests to my ability to configure and manage cloud solutions, ensuring optimal performance and reliability. I possess a deep understanding of cloud architecture principles, allowing me to design scalable and efficient solutions tailored to business requirements. Trough the certification path, I have ehnaced skills in implementing cloud security best practices, safeguarding data and infrastructure. My proficiency extends to orchestrating seamless deployments, automating tasks, and leveraging key GCP services to enhance operational efficiency.
This certification signifies my commitment to staying current with GCP technologies and best practices, contributing to my role as a skilled and reliable cloud engineer. It reflects my dedication to delivering impactful solutions in the dynamic and ever-evolving landscape of cloud computing.

GCP - Cloud Digital Leader

As a certified Cloud Digital Leader by Google, I have honed a comprehensive skill set and deep knowledge in driving cloud initiatives that align with strategic business goals. My expertise encompasses crafting and implementing cloud strategies, optimizing costs through a profound understanding of cloud economics, and ensuring robust security and compliance measures in cloud environments. I excel in orchestrating seamless cloud migrations, managing and optimizing cloud infrastructure for peak performance, and fostering collaboration across teams. My certification underscores proficiency in Google Cloud Platform (GCP), where I've mastered key services and their application in real-world scenarios. In addition to cloud architecture and data analytics, I bring a keen understanding of machine learning and AI integration, enabling innovative solutions. My leadership extends to championing DevOps practices in the cloud, ensuring the adoption of best practices for efficient and scalable solutions. I am adept at designing and managing cloud network architectures, contributing to a holistic approach in cloud operations.
Earning the Cloud Digital Leader certification reflects my commitment to staying at the forefront of cloud technology trends, contributing to a culture of innovation and excellence.

AZ-104T00 - Microsoft Azure Administrator

Learned how to manage Azure subscriptions, secure identities, administer the infrastructure, configure virtual networking, connect Azure and on-premises sites, manage network traffic, implement storage solutions, create and scale virtual machines, implement web apps and containers, back up and share data, and monitor solutions.

AZ-204 - Developing Solutions for Microsoft Azure

Learned how to implement Azure compute solutions, create Azure Functions, implement and manage web apps, develop solutions utilizing Azure storage, implement authentication and authorization, and secure solutions by using KeyVault and Managed Identities. Also learned how to connect to and consume Azure services and third-party services, and include events and message-based models.

AI-102 - Designing and Implementing a Microsoft Azure AI Solution

AI-102 Designing and Implementing an Azure AI Solution is intended for software developers wanting to build AI infused applications that leverage Azure Cognitive Services, Azure Cognitive Search, and Microsoft Bot Framework.

10961C – Automating Administration With Windows PowerShell

Automating Administration with PowerShell

10962C – Advanced Automated Administration with Windows PowerShell Scripting

Advanced Automated Administration with Windows PowerShell Scripting

Social Links

- **Github**: https://github.com/this-is-mihai
- **LinkedIn**: https://www.linkedin.com/in/this-is-mihai

Thanks!
Mihai Grigore - 2024