Ayaka Morimoto Senior Azure Engineer

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PROFILE SUMMARY

- **Senior Azure Engineer** with **10 years** in cloud infrastructure for **rail and truck braking systems** and **medical imaging software**, focused on **datacenter exits**, **landing zones** and **hybrid networks** for plants.
- Hands-on with **migration** (Azure VMware Solution, HCX, Azure Migrate), **networking** (Virtual WAN, ExpressRoute), **IaC** (Terraform, Bicep), **identity** (Entra ID, PIM) and **hosting** (AKS, App Service).
- Deep experience in **VMware to Azure moves**, **TISAX and ISO 27001 controls** written as Azure Policy and **Microsoft licence planning**, using wave plans and **Well-Architected reviews** so plants keep running through every cutover.
- Works with **plant IT** across 20+ countries, the **OT security** team, **procurement** on the Enterprise Agreement and the **Microsoft account team** on capacity and support escalations.
- Leads the **Azure guild** of 14 engineers, wrote the **landing zone onboarding guide** both divisions use, and coached **3 engineers** through their AZ-104.

TECHNICAL SKILLS

Compute & Containers:	AKS, App Service, Azure Virtual Machines, Azure VMware Solution, Azure Functions
Networking:	Virtual WAN, ExpressRoute, Azure Firewall, Private Link, Azure DNS Private Resolver, SD-WAN
Identity & Security:	Microsoft Entra ID, Conditional Access, PIM, Azure Key Vault, Microsoft Defender for Cloud
Governance & Hybrid:	Azure Policy, Management groups, VMware HCX, Azure Migrate, Azure Arc, Cost Management
IaC & CI/CD:	Terraform, Bicep, ARM templates, Azure DevOps, GitHub Actions
Data & Storage:	Azure SQL Database, Azure Cosmos DB, Blob Storage, Azure NetApp Files
Monitoring & Scripting:	Azure Monitor, Log Analytics, KQL, PowerShell, Python

EDUCATION

Technical University of Munich — M.Sc. in Informatics — Munich, Germany · Oct 2014 to Sep 2016

Microsoft — Azure Solutions Architect Expert (AZ-305) — Remote · Mar 2022

WORK EXPERIENCE

Knorr-Bremse — Senior Azure Engineer — Munich, Germany · Jun 2020 to Present

- Moved **1,150** VMs from vSphere clusters in 2 Munich datacenters to **Azure VMware Solution** with **VMware HCX** in 14 weekend waves, finishing **5 months** before the hardware support contracts ran out.
- Designed one landing zone for the rail and truck divisions, with a **management group** per division, **TISAX**-aligned **Azure Policy** initiatives and subscription vending in **Terraform**, onboarding **74** subscriptions in year one.
- Built a **Virtual WAN** with redundant **ExpressRoute** circuits to Munich and SD-WAN links to 38 plants, cutting average plant-to-Azure latency from 41 ms to **18 ms**.
- Rolled out **Conditional Access** with phishing-resistant MFA and **PIM** for every Azure admin role, then worked **Defender for Cloud** findings until the secure score rose from 52% to **84%**.
- Applied **Azure Hybrid Benefit** to Windows Server and SQL Server licences already on the Enterprise Agreement and bought 3-year **reservations** for AVS hosts, saving **€3.2M** a year.

Siemens Healthineers — Cloud Engineer — Erlangen, Germany · Oct 2016 to May 2020

- Ran the **AKS** clusters and **App Service** apps behind 9 teamplay cloud services for hospital customers, keeping monthly uptime at **99.95%** through the move from VMs to containers.
- Replaced hand-run **ARM templates** with **Azure DevOps** release pipelines and approval gates across 3 Azure regions, cutting a full environment build from 2 days to **3 hours**.
- Set up geo-replicated **Azure Cosmos DB** and **Azure SQL** failover groups with **Azure Monitor** alerts, and held recovery time under **30 minutes** in every twice-yearly DR test.