CV

Wojciech Grabarz, DevOps Engineer

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Skills and Tools:

- AWS
- Azure
- Kubernetes (EKS)
- Terraform (Terragrunt, Terraform-Scaffold, Trivy, tfsec, checkov)
- Helm
- CI/CD (Github Actions, Jenkins, Azure Devops, TeamCity)
- Configuration Management (Ansible, Saltstack)
- Scripting languages (Powershell, Bash, Python)
- Docker
- Linux Administration
- Networking
- Git
- Agile, Scrum, Kanban
- Basic programming
- Jira
- Confluence
- Fluent English

Experience:

September 2024 - Present: *Ergo Technology & Services* - Security Scanning Framework

- Prepared infrastructure to deploy an automated solution scanning for misconfigurations in multiple AWS accounts
- Wrote code for bootstrapping and onboarding accounts in root/spoke model
- Used parallel deployments to provision spoke child accounts
- Dynamically sourced child accounts list
- Used cross-account IAM access policies for scanning and cleanup execution

Stack used:

- AWS (IAM, Lambda, SSM, Step Functions, DynamoDB, S3, SNS)
- Terraform/Terragrunt
- Python
- Github Actions

April - August 2024: *Ergo Technology & Services* - Data Management Environment

- Ran deep diagnostics bordering on reverse engineering without proper documentation on third-party vendor's product
- Ran detailed network analysis to pin down bottlenecks and map traffic flow
- Tested multiple internal networking setups to try and stabilize the application
- Found issues allowed for a reevaluation of the product and averted risk for the company
- Delivered an initial deployment of Amazon DataZone

Stack used:

- AWS (Elastic Container Service, DataZone and core services)
- Terraform/Terragrunt
- Docker
- Github Actions

2022 - April 2024: *Ergo Technology & Services* - Client Identity and Access Management

- Delivered go-live on schedule despite minimal onboarding and loss of previous DevOps engineer
- Implemented a new Ingress Controller to meet project security requirements for go-live
- Migrated on premise Client Identity Management system (Forgerock) to AWS Cloud
- Deployed, developed and maintained a fully containerized platform using AWS EKS
- Integrated with on premise networks
- Reduced development environment's EC2 instance cost by factor of 10
- Fine-tuned resource limits and usage to take full advantage of spot instances and autoscaling
- Implemented an on-demand complete copy of the environment for testing experimental infrastructure changes
- Delivered critical Central Log Management integration to meet release requirements
- Delivered Dynatrace Agent integration after troubleshooting deep issues that were breaking entire environments
- Ran periodic production EKS upgrades to stay in AWS support
- Did live troubleshooting on a production deployment that prevented a rollback and thus a repeat deployment later
- Prepared the operations team to take over maintenance and support in a "you build it - you run it"

model by including them in sprint development activities and tasks (practical handover)

Stack used:

- AWS Elastic Kubernetes Service
- Core AWS services (EC2, VPC, Lambda, ECR, VPN etc.)
- Docker
- Github Actions
- Terraform
- Helm
- Kustomize
- Skaffold

2019 - 2022: *Kainos* - Various

Big data financial project for a German customer

Maintained and developed a mixed on-prem processing platform and integration microservices.

Stack used:

- Kubernetes
- Helm
- MaprR (Hadoop)
- Java
- Elasticsearch
- Azure
- Ansible

CI/CD audit and improvement:

Proof of concept for a customer in the financial sector to enable automatic testing and faster release cycle. Produced a working solution and a set of recommendations on how to implement DevOps principles in their process using customer's tooling of choice.

Stack used:

- TeamCity
- Octopus Deploy
- Azure DevOps
- Docker
- Powershell

Healthcare project for a UK Trust:

Infrastructure code security audit and improvements. Implementation of secrets management and rotation designing a merge strategy allowing for gradual upgrade on environments.

Stack used:

- AWS (EC2, KMS)
- Saltstack
- Packer
- Vagrant
- Terraform

2018 - 2019: *Kainos* - Imports system for UK government to replace EU software:

Built, helped design and develop microservice based application and deploy pipelines. Delivered integrations with other suppliers, research and spikes to propose new services and tools. Worked as part of a scrum team and supported developers in DevOps matters.
Stack used:

- Azure (App Service, AKS, ACR)
- Terraform
- ARM templates
- Docker
- Jenkins
- Ansible
- Helm

2016 - 2018: *Kainos* - Infrastructure Engineer:

Service Desk, Administrated Windows Server/Linux systems, network infrastructure.

Active Directory to Workday integration:

Developed Powershell scripts to sync Workday personnel data to Active Directory. Consulted for another project on the matter sharing the outcomes and experiences.
Stack used:

- Powershell
- Rundeck

Education and Certification

AZ-900 Azure Fundamentals - Microsoft (2020)

ITIL Foundation Certificate in IT Service Management Issuer: Altkom Akademia (2017)

TEB School Of Information Science And Internet - High School (HS), Information Technology (2017)