ANDREI-DANIEL SURUGIU

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BACHELOR

Polytehnic University of Timisoara　　　　　　　　　　　　　　Timisoara, RO
BS Computer Science　　　　　　　　　　　　　　　　　　　　　Sep 2018 - Jun 2022

WORK EXPERIENCE

Atos
DevOps Engineer　　　　　　　　　　　　　　　　　　　　　　Aug 2020 - Oct 2022

- Administration of linux servers (updating, maintenance, backups) using ansible
- Deployed and managed kubernetes clusters on premises (Rancher) and in the cloud (AKS) via terraform
- Created and managed a Github Organization and was responsible for setting up pipelines using Github Actions (security scanning, automated deployment etc.)
- Managed Microsoft Sentinel via terraform: created analytic rules, developed custom queries, automated response to incidents using function apps

e-spres-oh
Senior DevOps Engineer　　　　　　　　　　　　　　　　　　　Oct 2022 - Present

- I'm the only DevOps engineer here, and I'm teaching developers how to do DevOps & Security.
- Unraveling the existing codebase, bringing existing resources under Terraform's management. Managing AWS and running our apps on EKS.
- Setting up GitHub properly (environments, permissions, pipelines, scanning)

SKILLS

Programming languages:	Go, Python, Bash, Typescript
Tools:	Terraform, Ansible, Kubernetes (+ArgoCD), Github
Soft skills:	Project lead, Listening, Googling stuff
Platforms:	AWS, Azure, Linux, Kubernetes

PROJECTS

Rancher migration to AKS *Kubernetes, Rancher, AKS*
Coordinated a migration for an on-prem cluster from Rancher to AKS (Azure Kubernetes Service) using Terraform. The company wasn't happy with the management cost of running on-premise, so moving to cloud-native services in Azure reduced the maintenance cost by 50%.

Atos internal platfom *Go, Terraform, Github actions, Trivy, Tfsec*
Created an in-house web platform that enabled our developers to generate basic resources that were compiled to Terraform, scanned, and versioned, and then deployed. This helped our developers deploy their apps 2 times faster, with a nicer DX.

TASMU Qatar *Sentinel, Terraform, Github Actions*　　　　https://tasmu.gov.qa/
Delivered the monitoring stack for Qatar's smart city, which consists of Microsoft Sentinel. We ensured that everything was sending logs, alerts were set up, and metrics were coming in, and the response to common incidents was automated using Function Apps. This increased their security score to above 85%.

Bank data synchornization *Python, Bash, Docker*
Devised a solution to synchronize thousands of machines across Austrian bank branches with limited bandwidth due to DSL reliance. The solution employed Ansible, Bash, and Go, synchronizing files during bandwidth-throttled periods. Over 1,000 machines were involved.

Enfineo *AWS, EKS, Terraform, Github Actions*　　　　　　https://enfineo.com/
Working on Enfineo, a fintech app like Revolut, I manage our AWS environments (mainnet & testnet, crypto) using Terraform, promote devops mindset, oversee GitHub organization, and implement AWS security solutions. I've also reduced costs by tagging resources, introducing AWS Spot Instances, and cutting EKS costs by 40%.

Diploma project *Go, React, SQLite*　　　　https://github.com/DeluxeOwl/kala-go
A framework for authorization written in Go and React, based on 'Zanzibar: Google's Consistent, Global Authorization System.' Kala allows you to model any type of permission (RBAC, ABAC, ReBAC, ACLs, etc.) as a graph, and to integrate with your own applications using a custom DSL built on YAML.