Murat Sagmak

Network & DevOps Engineer

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SKILLS

Fields of Interest:

Algorithms, Data Structures, Automation, Containerization, Orchestration, Cloud Infrastructure, Virtualization, Network, DevOps and Software Defined Networking

Technical Skills:

Python, Linux, Git, Bash Scripting, Docker, CI/CD (Github Actions), Kubernetes(In Progress), Grafana, Prometheus, AWS (S3, CloudFront, ACM, Lambda, DynamoDB, Route 53 and IAM), Virtual Network Monitoring, Network Supporting and Troubleshooting (L2 and L3)

PROFESSIONAL EXPERIENCE

NOKIA   09/2024 – Present │ Istanbul, Turkey

Network Engineer & DevOps Engineer

- Deliver L2/L3 network support to 300+ customers across EMEA, ensuring efficient troubleshooting of network issues.
- Specializes in OSPF, ISIS, VPLS, BGP, VPRN, and SR Linux troubleshooting, with hands-on experience resolving network issues in diverse environments.
- Preparing for the Nokia NRS II certification, with completed modules in Network Fundamentals, OSPF, MPLS, Services Architecture, and BGP. In addition, receiving in-depth training on VPLS, BGP, VPRN, and SR Linux (Modern Data Center Technology) approaches.
- Serving as part of the server team, managed device setup, RAID configuration, Proxmox installation for server management, and container lab deployment on Linux Ubuntu, while ensuring system sustainability.
- Gaining hands-on experience with Container Lab (Clab) for network topology simulations, and utilizing Prometheus and Grafana for real-time network monitoring and performance analysis. Overseeing and maintaining the system used by a 50+ members team, ensuring its continuity and reliability.
- Deployed FREEIPA on Fedora to centralize authentication & access control for Ubuntu servers, integrating Kerberos, LDAP, and role-based SSH policies.

NOKIA   07/2024 – 09/2024 │ Istanbul, Turkey

Network Engineer Intern

- Acquired in-depth knowledge and training in the telecommunications industry, including network technologies and devices.
- Engaged in training programs to deepen my understanding of industry standards and practices.
- Spearheaded an automation project utilizing Python, Docker, and Jenkins.

Ericsson   07/2023 – 08/2023 │ Istanbul, Turkey

Network Engineer Intern

- Gained extensive knowledge in network and telecommunications while keeping abreast of the latest industry technologies.
- Enhanced technical skills and knowledge through practical applications.

PROJECTS

AWS Resume Challenge 🔗

Technologies: AWS (S3, CloudFront, Lambda, DynamoDB, Route 53), Terraform, GitHub Actions, Python

- Built a serverless portfolio website using AWS S3, CloudFront, Lambda, and DynamoDB.
- Added a real-time visitor counter using Lambda (Python) and DynamoDB.
- Implemented CI/CD with GitHub Actions for automated deployment to S3.
- Defined an AWS Lambda function and configured the necessary IAM role and permissions using Terraform (IaC).
- Demonstrated skills in AWS services, cloud architecture, and automation.

Network Automation Capstone Project

Technologies: GitHub, Jenkins (CI/CD), Docker, Python

- Developed a network automation project to automate and monitor network devices.
- Implemented features for periodic checks and email notifications for device errors.
- Deployed the project using containerization principles with Docker.

EDUCATION

Bachelor of Science in Computer Engineering   10/2020 – 06/2024 │ Adana, Turkey

Cukurova University

Computer Science Erasmus+   10/2023 – 02/2024 │ Krakow, Poland

AGH University of Science and Technology

CERTIFICATES

- NRS I 🔗
- Services Architecture 🔗
- DevOps Bootcamp 🔗
- OSPF 🔗
- BGP 🔗
- AWS (In Progress)
- MPLS 🔗
- Docker
- Kubernetes (In Progress)