

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, Kubernetes(In Progress), Grafana, Prometheus, Virtual Network Monitoring, Network Management, Troubleshooting, Network Supporting(Layer 2 and Layer 3), Wireshark, Cisco Packet Tracer

PROFESSIONAL EXPERIENCE

NOKIA

09/2024 – Present | Istanbul, Turkey

Network Engineer

- Supporting IP customers across Europe, the Middle East, and Africa, providing network support to 300+ customers.
- 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.
- Developing an automation tool to optimize operational processes using Python, SQLite, PyQt Designer, and Selenium, enabling the team to automate manual tasks and achieve a 70% time-saving efficiency.
- Working as part of the server team, responsible for server device management, installation, and container lab deployment on Linux. 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.

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

E-commerce Capstone Project

Technologies: PHP, Laravel 11, HTML, CSS, JavaScript, Breeze, MySQL, Docker, Jenkins, GitHub

- Developed an e-commerce platform using PHP Laravel 11.
- Implemented authentication with Breeze and managed the MySQL database (XAMPP).
- Used Docker for containerization and set up CI/CD pipelines with Jenkins.
- Integrated dynamic features with jQuery and AJAX, establishing relationships for categories and products.

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

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|-------------------------|-------------------|----------------------------|
| • NRS I | • OSPF | • MPLS |
| • Services Architecture | • BGP | • Docker |
| • Linux | • DevOps Bootcamp | • Kubernetes (In Progress) |