

Alperen Ertürk

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Professional Summary

DevOps Engineer **specializing in infrastructure migrations and automation** with 4+ years expertise in cloud infrastructure and CI/CD pipelines. Proven track record in containerization, Infrastructure as Code, and cloud-native technologies with demonstrated success in large-scale system migrations and automation projects.

Education

MSc Computer Engineering, Beykent University 2022 – 2025

- GPA: 3.57/4.0
- **Thesis:** LLM Integrated AI Diet Planning Tool with Macro Nutrient Calculations

BSc Electrical & Electronic Engineering, Bahçeşehir University 2015 – 2021

Faculty of Engineering and Natural Sciences

- **Graduation project:** Autonomous Vehicle with Raspberry Pi

Professional Experience

DevOps Engineer, Amadeus Leisure IT Jan 2023 – Present

- **Ansible Playground:** Developed automated lab environment using Docker, Terraform, Bash, and Ansible for infrastructure testing and development.
- **VM Decommissioning:** Built comprehensive AWX multi-inventory workflow integrating vCenter, CMDB, CrowdStrike, and IPAM systems.
- **RabbitMQ Migration:** Successfully migrated messaging infrastructure from Debian to RHEL servers with ELK stack optimization.
- **F5 Migration Lead:** **Lead engineer** for ongoing Alteon to F5 Networks migration, implementing end-to-end automation using Ansible/AWX, AS3, and declarative onboarding to establish network infrastructure as code.
- **F5-Kubernetes Integration:** Deployed and configured F5 Container Ingress Services (CIS) for seamless BIG-IP load balancer integration with Kubernetes clusters.
- **GitHub Actions:** Developed multiple CI/CD workflows including naming convention validation pipeline for F5, partition-based AS3 F5 integrator workflow, and Ansible lint automation pipeline.
- **Monitoring Integration:** Integrated Zabbix data source with Grafana for F5 pool monitoring and enhanced observability through Prometheus-Telemetry Streaming integration for improved metric visibility.
- **Log Monitoring:** Implemented Filebeat deployment and configured Logstash for centralized Squid log processing and analysis.
- **Network Infra CI/CD:** Built Jenkins multibranch pipeline on Kubernetes agents for Terraform-driven network infrastructure (NX-OS) with automated change detection, PR-based plan/apply flows, environment gating, and Bitbucket status integration.
- **Terraform Modularization:** Developed reusable NX-OS Terraform modules with Artifactory provider mirroring, secure credential injection, and safe test workflows for standardized network automation.

DevOps Engineer, Amadeus Loyalty IT Dec 2021 – Dec 2022

- **LMS Automation:** Led Loyalty Management System UI automation using UI Vision RPA, Docker, Jenkins, Python
- **Azure Migration:** Orchestrated LMS applications migration with VM optimization and Tomcat configuration

Test Engineer, Accenture Apr 2021 – Dec 2021

Connected Construction digitalization project with test automation using Azure DevOps and Protractor/TypeScript for Angular applications.

Software Engineer, ULAK Communications Inc. Oct 2020 – Mar 2021

Test automation with Protractor (TypeScript/JavaScript), Angular frontend development, DevOps operations support.

Technical Skills

Automation & CI/CD: Ansible/AWX (advanced), Jenkins, Terraform (IaC), GitHub Actions, Git workflows

Cloud Platforms: Azure (2+ years professional), GCP, AWS

Containerization & Orchestration: Docker (4+ years), Kubernetes, VMware virtualization

Network: F5 Networks, VPC

Monitoring & Observability: ELK Stack, Grafana, Prometheus, Zabbix, Nagios, Icinga, Thanos

Programming Languages: Python, Bash, JavaScript/TypeScript, SQL (MySQL, MSSQL)

Testing & Development: Selenium, Protractor, Angular, API integration

Certifications

Google IT Automation with Python Professional Certificate (2020)

DevOps & Infrastructure: Configuration Management and the Cloud (Google), Technical Support Fundamentals (Google), Troubleshooting and Debugging Techniques (Google)

Programming & Development: Crash Course on Python (Google), Using Python to Interact with the Operating System (Google), Automating Real-World Tasks with Python (Google), Introduction to Git and GitHub (Google)

Additional Technical: Programming Foundations with JavaScript, HTML and CSS (Duke University), C for Everyone: Structured Programming (UC Santa Cruz)

AI & Machine Learning: AI For Everyone (DeepLearning.AI), Structuring Machine Learning Projects (DeepLearning.AI)

Languages & Additional Information

Languages: English (Fluent - IELTS 8.5), Turkish (Native), German & Japanese (Beginner)

Community Service: Principal at Pozitif Projeler (2016–Present) - Nonprofit supporting individuals with Down Syndrome; Human Pixel Art Project (2018) - Coordinated 60,000-participant Atatürk portrait project

Interests: Jeet Kune Do (Black Belt), Table Tennis, 3D Printing, Music (Guitar, Drums), n8n AI workflows and automation

References available upon request