

# Batur Orkun

DevOps & Cloud Architect • Linux Guru • Open-Source Enthusiast • AI/MLOps • Software • DataOps • DevSecOps

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## SUMMARY

Senior DevOps Engineer & Cloud Architect with 30+ years of IT experience, starting from Unix systems in 1994 and passionate Linux advocate since Slackware's early days in 1995. Spent 13 years at Turkey's leading universities managing enterprise-scale infrastructure, Oracle databases, and academic/military projects before transitioning to the international startup ecosystem. Worked remotely and on-site across Turkey, Netherlands, US, and UK, architecting cloud-native solutions for diverse industries from cybersecurity to fintech.

Results-driven specialist combining deep Linux/Unix foundations with modern cloud-native practices. Expert in Kubernetes orchestration (EKS, GKE, AKS, Rancher, OpenShift), Infrastructure as Code (Terraform, Ansible), and GitOps methodologies across AWS, GCP, Azure, and private cloud environments. Proven track record in DevSecOps, DataOps, and SRE, with hands-on experience in air-gapped military systems, high-availability architectures, and compliance-driven infrastructures. Strong full-stack background spanning databases (Oracle, PostgreSQL, MySQL), backend development (Go, Python, Java), and automation scripting, enabling seamless collaboration across development and operations teams.

## EXPERIENCE

### Principal DevOps & Platform Architect

Aselsan (REHIS) & BITES Defence Industry

DevSecOps • AI/MLOps • Kubernetes Development • Air-Gap • Military Standards

Nov 2024 – Present

Turkey (On-site) • Full-time

- Implementing DevSecOps pipelines: Dependency scanning, SBOM generation, and vulnerability management.
- Integrating comprehensive security controls (SAST/DAST, dependency/container scanning, secrets management, image signing, and policy-as-code) into CI/CD pipelines to meet strict quality and compliance requirements.
- Integrating AI/RAG technologies into DevOps workflows to enhance operational efficiency (AI/MLOps).
- Developing custom Kubernetes Operators to automate complex infrastructure tasks.
- Managing and maintaining Rancher RKE2 Kubernetes clusters in high-security environments.
- Architecting and managing production-grade Kubernetes ecosystems, focusing on the development of custom Kubernetes Operators to automate complex application lifecycles and infrastructure scaling.
- Designing and operating systems in Air-Gapped (Offline) military networks.

AI/RAG MLops Security K8S Operators DataOPS Rancher/RKE2 Python GoLang

### DevDataOps Engineer

TMEX (Turkish Mercantile Exchange)

DataOps • Private Cloud Infrastructure • Database Administration

Sep 2024 – Sep 2025

Turkey (Hybrid) • Full-time

- Working on DataOps Operations and private cloud Kubernetes infrastructure.
- Authoring Terraform and HELM IaC to deploy microservices on Rancher Kubernetes.
- Implemented CI/CD pipelines using Jenkins and Github Actions.
- PostgreSQL EDB and PgPool II Cluster management, including database administration, zoning, and high-availability configurations.
- Implemented monitoring/logging with Prometheus, Grafana, Loki, ElasticSearch.
- Managing and optimizing Apache Kafka clusters for real-time data streaming and event-driven architectures.
- Operating Apache Ignite distributed in-memory computing platform for high-performance data processing and caching.

Rancher Kubernetes PostgreSQL Kafka Jenkins Terraform HELM Prometheus Grafana

### Strategic Consultant & SRE

Brado

Cloud Architecture • HA/DR • Infrastructure as Code

Jun 2024 – Jul 2024

St. Louis, US (Remote) • Contract

- Designed and implemented HA/DR (High Availability & Disaster Recovery) DevOps architectures for SaaS applications on Azure.
- Established disaster recovery operations including backup strategies, failover mechanisms, and recovery procedures.
- Terraform coding on the AzureRM provider.
- Implemented CI/CD pipelines using Azure DevOps.
- Consulted on migrating applications from VMs to AKS (Kubernetes).

Azure AKS Terraform Azure DevOps

### SRE / DevOps & Cloud Engineer

Peaka.com

Cloud Infrastructure • CI/CD • GitOps

Mar 2022 – Jun 2024

CA, US (Remote) • Part-time

- Spearheaded cloud infrastructure on AWS EKS and Google GKE Kubernetes clusters.
- Implemented CI/CD pipelines using Tekton, ArgoCD, and GitHub Actions.
- Utilized IaC (CloudFormation, Terraform) for resource provisioning.
- Implemented GitOps practices for infrastructure management.
- Leveraged Python for scripting and automation.

AWS EKS GKE Kubernetes Tekton ArgoCD GitHub Actions Terraform Python

### DevOps Engineer

T2Soft

Defense Industry • CI/CD Automation • Infrastructure Management

Apr 2022 - Mar 2024

Munich, Germany (Remote) • Contract

- Contributed to GitLab CI progress for major German defense industry projects.
- Implemented CI/CD automation and infrastructure sizing with Ansible/Terraform on OpenShift Kubernetes platform.
- Developed DevOps tools using Golang and Python.
- Writing test tools and automation frameworks using Python and Golang.
- Deployed and managed microservices on OpenShift Kubernetes using HELM.

OpenShift Golang Ansible Terraform Python GitLab CI HELM

### DevOps & Software Architect

T2 Software / Aselsan

Military Projects • Private Cloud Architecture • Infrastructure Management

Mar 2021 - Mar 2024

Turkey (On-site) • Part-time

- Implemented DevOps practices and CI/CD automation for Aselsan military projects.

## EXPERTISE

DevSecOps DataOps SRE GitOps

IaC CI/CD Cloud Architecture

Private Cloud Linux Administration

Database Administration Network Management

Security Hardening Air-Gapped Systems

## TOOLS & PLATFORMS

Kubernetes Rancher

OpenShift AWS EKS

GCP GKE Azure AKS

Terraform Ansible

Helm ArgoCD

Jenkins GitLab CI

GitHub Actions Tekton

Docker Podman

containerd Prometheus

Grafana Loki

ELK Stack Kafka

PostgreSQL MySQL

Oracle MongoDB

Redis VMware vSphere

Proxmox Go

Python Java

Bash Ruby

## HIGHLIGHTS

- 30+ years in IT, Linux expert since 1995
- Multi-cloud & private cloud expertise
- IaC & automation-first mindset
- K8s operations & security hardening
- Air-gapped & military-grade systems
- International remote work experience (US, UK, NL, DE)
- Full-stack background (DB, Backend, DevOps)
- Leveraging AI/LLM and RAG architectures to enhance DevOps automation and internal tooling.

## KEY PROJECTS

- AI DevOps Chatbot** – AI-powered chatbot to automate daily DevOps operations on Zoom.
- REMIKS** – Full development and production DevOps automation on Java SpringBoot-based framework
- LifeCycle Kubernetes Operator** – GO-based Kubernetes operator managing cluster boot and application lifecycle
- Maven Dependency Scan** – Dependency scan and remediation tool enhanced with AI / RAG
- Peaka.com** – Zero-code SaaS data integration platform
- HAVASOJ** – Remote Electronic Surveillance / Electronic Attack System
- Picus Security** – Cyber defense validation platform
- Picus-MAN** – Application layer enabling CRM-driven management and integrations between CRM and AWS systems
- PTTAVM.com** – E-commerce platform
- Ready2Sale.com** – Export/import platform (5M+ products)

- Implemented DevOps practices and CI/CD automation for Asterisk military projects.
- Supported wireless charging unit projects and ensured reliable deployment.
- Managed infrastructure with Ansible, Terraform, and OpenShift and Rancher.
- Installed private cloud environments via VMware vSphere and Proxmox.

VMware vSphere Proxmox OpenShift Rancher Ansible Terraform CI/CD Automation

## DevOps Engineer & SRE

Picus Security

Cloud Infrastructure • Security • Automation

- Managed AWS infrastructure (EC2, S3, RDS, Lambda).
- Developed automation scripts in Golang and Python.
- Implemented security measures and CI/CD pipelines (Jenkins and Gitlab CI).
- Established monitoring and analysis systems for infrastructure performance and security metrics.
- Conducted performance testing and capacity planning.

AWS EC2 S3 RDS Lambda Golang Python Jenkins GitLab

Feb 2019 - Mar 2021

Turkey (Hybrid) • Full-time

## DevOps Engineer

Connected2.me

Linux System Administration • Cloud Infrastructure • Mobile App Automation

- Managed and administered Linux systems.
- Leveraged AWS solutions for cloud infrastructure.
- Utilized XMPP and Erlang technologies for messaging systems.
- Used Ruby and Fastlane for mobile app automation.
- Implemented WebRTC technology and monitoring solutions.

Linux AWS Python XMPP Erlang Ruby Fastlane WebRTC MySQL

Feb 2018 - Sep 2018

Turkey (Remote) • Full-time

## Software & Infrastructure Architect

Orkutel BV

VOIP Services • Datacenter Management • Software Development

- Designed scalable infrastructure for VOIP services.
- Managed datacenter infrastructure and Linux systems in the Netherlands.
- Created mobile applications for iOS and Android platforms.
- Developed admin panels and backend services using PHP.

VOIP iOS Android PHP Asterisk

Aug 2017 - Feb 2018

Netherlands (Remote) • Part-time

## CTO (Chief Technology Officer)

Voxporta Teknoloji

Technology Leadership • VOIP Solutions • Video Conference Systems

- Led technology department for VOIP solutions using Asterisk.
- Designed WebRTC-based video conference products.
- Implemented DevOps tasks and automation.

Asterisk WebRTC VOIP

Jan 2013 - May 2017

Turkey (On-site) • Full-time

## Developer & Project Manager & System Administrator

Bilkent University

Web & ERP Development • Linux System Admin • Network

- Managed integrated IT systems and network infrastructure on Linux environments.
- Oversaw high-traffic service operations and disaster recovery.
- Oracle Cluster DBA, SQL tuning, and developed complex Oracle PL/SQL Procedures.
- Developed a custom ERP system from scratch using Java and Oracle.
- Developed and maintained various internal web applications and automation scripts using PHP, Perl, and Bash.

Linux Oracle RAC PL/SQL Java ERP PHP Perl Bash Network

May 2001 - Dec 2013

Turkey (On-site) • Full-time

## Database Developer

Başkent University

Full Stack Development • Student Affairs Systems

- Developed full stack applications for Student Affairs systems.
- Oracle DBA and PL/SQL development.
- Designed and implemented database solutions for academic administration.

Oracle PL/SQL

Mar 1998 - May 2000

Turkey (On-site) • Full-time

## Web Developer

Umay Internet Company

Web Development • Linux System Administration • Server Maintenance

- Developed web applications using CGI and Perl.
- Maintained Apache web servers on Linux platforms.
- Provided Linux system administration support.

CGI Perl Apache Linux

Jun 1997 - Mar 1998

Turkey (On-site) • Full-time

## EDUCATION

Hacettepe University / Bachelor of Mathematics & Computer Science

Turkey

Başkent University / Master's Degree, Computer Engineering (Scientific Prep.)

Turkey

- **C2M Mobile CI** – E2E Test & Continuous integration for mobile applications

- **ORKUTEL Tryngle** – VoIP system Mobile Application

- **LEAPvoX Cloud** – Multi-tenancy communication solutions

- **LEAPvoX SME** – Unified communication for SMBs

- **Enterprise IP-PBX** – Enterprise communication system

- **LeapMEET** – WebRTC video conference system

- **Call Center** – Call center software – fully automated and integrated with CRM

- **CEPH Storage** – Web-based Scalable distributed storage management system

- **Radio IP PBX (ASELSAN)** – Military IP communication

- **VHF/FM Military Radio** – Radio interface for ASELSAN 9600 Series

- **STARS** – Bilkent University Student academic information systems

- **BAIS** – Bilkent University Administrative information systems

- **LDAP Management** – Web-based LDAP Account management system

- **Credit Card Payment** – Online payment system

- **SoftSwitch Gateway** – Telecommunication gateway

- **JetAnket.com** – Online polling & survey platform

- **Flooved** – Online library platform

- **UzmanSorusu.com** – Expert Q&A platform

- **AskCadisi.com** – Question & answer platform

- **DNA Bank** – Hacettepe University DNA database

- **Eksperin.com** – Expert services platform

## LANGUAGES

- Turkish – Native
- English – Professional

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