

BUĞRA GÖKÇEK

DevOps, SRE & System Specialist

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SUMMARY

DevOps, SRE & system specialist running multi-tenant production Kubernetes platforms end-to-end — from bare-metal hypervisors (Proxmox, VMware vSphere) through Linux/Windows VMs up to Helm-based deployments and release pipelines. CKAD certified (85% score). Recent work covers GitLab CI → GitHub Actions migrations with self-hosted runners and a private Nexus registry, real-time media stack hardening (SFU, TURN, HAProxy, Redis Sentinel), Ceph storage operations, cross-cluster database synchronization, and production incident response on identity, ingress, and certificate paths. Currently managing parallel infrastructure operations across two companies, working remotely.

TECHNICAL SKILLS

Containers & Orchestration: Kubernetes (CKAD), Helm, Docker, Docker Compose, Ingress, ConfigMaps, Secrets, Persistent Volumes
Hypervisor & Virtualization: Proxmox VE, VMware vSphere, bare-metal provisioning, VM lifecycle (Linux + Windows), capacity planning
CI/CD & Release: GitHub Actions, GitLab CI, self-hosted runners, Nexus Repository Manager, image build/sign/push, Kubernetes deploy flows, GitOps
Cloud & IaC: AWS (EC2, S3, IAM, DynamoDB, SQS, Lambda, API Gateway, Cognito), hybrid cloud + on-prem design
Observability: Prometheus, Grafana, Graylog, Zabbix, custom dashboards, alerting, log/metric pipelines
Storage & Data: Ceph distributed storage, MinIO (S3-compatible), NAS, MSSQL cross-cluster sync, image registry replication, backup/DR with retention
Networking & Edge: Nginx, HAProxy, FortiGate, OPNsense, TLS/certificate lifecycle, DNS, VPN, IPsec
Real-Time / Media: WebRTC, SFU, TURN/coturn, LiveKit, Jitsi, Redis Sentinel
Identity & Security: Keycloak, OAuth/OIDC, MITMProxy, firewall hardening
OS & Tooling: Linux (Ubuntu, Debian, Kali), Windows Server, systemd, Bash automation, Android Cuttlefish, ADB
Languages: Python, Bash, JavaScript

PROFESSIONAL EXPERIENCE

DevOps, SRE & System Specialist · OCTAPULL & Alpata Yazılım · Concurrent · Remote Nov 2025 – Present

- End-to-end ownership of multi-tenant production infrastructure across on-premises and hybrid cloud — hypervisor (Proxmox, VMware vSphere) through Linux/Windows VMs to Kubernetes platform; greenfield rack-to-production rollouts including OS install, networking, firewall, and TLS/certificate management
- Designed and migrated CI/CD pipelines from GitLab CI to GitHub Actions with self-hosted runners and a private Nexus registry — image build, signing, push, and Kubernetes deploy flows
- Author and operate Helm charts for production deployments; manage ingress, ConfigMaps, Secrets, persistent storage, and rolling release strategies across multiple environments
- Hardened real-time media stack (SFU, TURN/coturn, HAProxy → Nginx fronting, Redis Sentinel) under live customer traffic; observability with Prometheus, Grafana, and Graylog
- Operate Ceph distributed storage clusters and cross-cluster MSSQL synchronization pipelines; image registry replication, VM-level and cloud backup with retention policies
- Production incident response on identity/OAuth flows, 502 startup failures, SMTP delivery, and TLS edge cases — debugging to root cause
- Day-to-day operations of OctaMeet (Jitsi/WebRTC-based conferencing) and OctaPull SFA on Kubernetes — release cycle, ingress hardening, load balancing, and TLS lifecycle

DevOps & System Specialist · Kloudser · On-site Jan 2025 – Nov 2025

- Built and managed infrastructure spanning on-prem, hybrid, and AWS environments — EC2, S3, IAM, DynamoDB, SQS, Lambda, API Gateway, Cognito — to design scalable application architectures
- Administered Proxmox virtualization, managed Linux (Ubuntu, Debian, Kali) and Windows VMs, configured NAS storage, maintained physical servers, and handled network security with OPNsense firewall
- Set up GitLab CI/CD pipelines with self-hosted runners; implemented Nexus Repository Manager as private registry for internal build artifacts and container images
- Deployed MinIO and Keycloak as on-prem equivalents for S3-compatible object storage and identity/access management; designed hybrid architectures combining AWS and on-prem systems
- Worked with Android Cuttlefish emulator environments — sandboxed testing setups, ADB integration, MITMProxy for traffic analysis and debugging

DevOps & System Specialist · OCTAPULL · Hybrid Jul 2024 – Jan 2025

- Led production environment migrations and orchestrated deployment of new projects onto client-side on-premise servers with focus on scalability and high availability
- Implemented observability with Zabbix, Prometheus, and Grafana — developed custom dashboards integrated with Jitsi-based video conferencing data
- Designed and maintained test environments with Kubernetes, Docker, and Docker Compose; configured Nginx for high-performance load balancing and reverse proxy
- Deep Linux administration — optimized server resources, managed systemd services, developed Bash automation tools for operational workflows

Software Engineer Intern · Anadolu Üniversitesi · On-site Aug 2023 – Sep 2023

- Provisioned and configured AWS EC2 virtual servers (Ubuntu LTS) with SSH, RSA key-pairs, and Elastic IP; developed Bash scripts for system automation including backup utilities and IP tracking tools

Software Engineer Intern · KONNEKA Bilgi ve İletişim Teknolojileri · On-site Sep 2022 – Dec 2022

- Configured and managed Linux (Ubuntu) environments with advanced network configurations; contributed to enterprise Sandbox security product by refactoring and localizing backend Python scripts for international deployments

EDUCATION

Bachelor's Degree, Computer Software Engineering — Karadeniz Teknik Üniversitesi · GPA: 3.04 / 4.00 Sep 2019 – Jul 2024

CERTIFICATIONS

- CKAD — Certified Kubernetes Application Developer · Cloud Native Computing Foundation · Passed with 85%
- LFS169 — Introduction to GitOps · The Linux Foundation
- LFS158 — Introduction to Kubernetes · The Linux Foundation
- LFS101 — Introduction to Linux · The Linux Foundation