



YUSUF BERAT BAYRAKTAR

Cloud Engineer | DevOps Engineer

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PROFESSIONAL SUMMARY

Cloud & DevOps Engineer with 1.5+ years of hands-on experience in AWS infrastructure provisioning and automated CI/CD lifecycle delivery. Proficient in Infrastructure as Code (Terraform), container orchestration (Docker, Kubernetes, Amazon EKS, ECS Fargate), and GitOps practices with Argo CD. Experienced in enterprise banking backend systems, Kafka-based distributed messaging, and privacy-first on-premises AI solutions.

TECHNICAL SKILLS

Cloud Platforms:	AWS (VPC, EC2, EKS, ECS Fargate, ECR, RDS, S3, IAM, ALB, CloudWatch, Lambda, Route 53)
DevOps & CI/CD:	Terraform, Docker, Kubernetes, Helm, Argo CD, GitHub Actions, Jenkins, GitOps
Programming & OS:	Python, Bash, FastAPI, Django, REST APIs, Linux, Nginx
Data & Observability:	Apache Kafka, PostgreSQL, MySQL, MS SQL Server, Prometheus, Grafana

PROFESSIONAL EXPERIENCE

Software Engineering Intern — Ziraat Technology

Jun 2026 – Present | Istanbul, Turkey

- Contribute to backend enterprise banking microservices supporting credit evaluation, customer identification, and campaign flows.
- Architected an asynchronous messaging layer using Apache Kafka to bridge banking services with internal AI components.
- Implemented a secure on-premises Local LLM proof of concept, optimizing lightweight inference and ensuring zero external data leakage.
- Authored technical architecture documentation, unit/integration testing suites, and API validation protocols.

Junior Cloud & DevOps Engineer (Part-Time) — Oreon Information Technology

Jan 2025 – May 2026 | Remote, UK

- Provisioned modular AWS infrastructure via Terraform, configuring multi-AZ VPCs, subnets, NAT Gateways, IAM, and EKS baselines.
- Constructed automated GitHub Actions and Jenkins pipelines featuring static security scans, Docker builds, and Amazon ECR pushes.
- Implemented declarative GitOps continuous delivery to Amazon EKS using Argo CD, maintaining Git repositories as single source of truth.
- Standardized Kubernetes manifests across dev/prod environments with automated scaling, health checks, and Prometheus/Grafana monitoring.

SELECTED PROJECTS

RetailOps E-Commerce Platform | AWS (ECS Fargate), Terraform, FastAPI, React, RDS, Redis, SQS

- Engineered a scalable microservices architecture with CloudFront/WAF, ALB path routing, Redis caching, and automated Terraform provisioning.

Secure On-Premises Banking LLM | Local LLM, Python, Apache Kafka, Privacy-First Architecture

- Built an isolated AI service for enterprise banking using Kafka message queues for asynchronous prompt processing and zero data egress.

Automated Multi-Environment CI/CD Pipeline | Terraform, GitHub Actions, Docker, AWS

- Built segregated dev/stage/prod release pipelines with branch protection, manual approvals, and drift-free Terraform deployments.

AI-Powered Stroke Detection | Python, Computer Vision, Transfer Learning

- Achieved Teknofest 2025 Health Category Finals (Top 12) by evaluating EfficientNet and ResNet models with customized augmentation.

EDUCATION & LANGUAGES

Pamukkale University — BSc in Computer Engineering

Expected Graduation: June 2027

Languages: Turkish (Native)
English (Upper-Intermediate) | German
(Beginner)