Berkay Çelik

Site Reliability Engineer — DevOps Engineer — Cloud Architect

About Me

Experienced Site Reliability Engineer with 4+ years optimizing cloud infrastructure and implementing DevOps best practices. Proven track record of achieving 99.99% uptime for enterprise systems, reducing infrastructure costs by 30%, and improving deployment efficiency by 60%. Expertise in Azure, AWS, Kubernetes, Terraform, and MLOps. Azure AZ-104 Certified.

Contact Information

Location: Istanbul, Turkey

Skills & Expertise

Cloud Platforms & Infrastructure

Azure (AZ-104 Certified), AWS (EC2, RDS, Lambda, S3, SageMaker), Google Cloud Platform, Kubernetes, Docker, OpenShift, Helm, ArgoCD, Kubeflow, Terraform, Ansible, Azure ARM Templates, CloudFormation, Pulumi

DevOps & Monitoring

Azure DevOps, Jenkins, GitHub Actions, GitLab CI, Tekton, Prometheus, Grafana, ELK Stack, Datadog, New Relic, Instana APM, MLflow, Kubeflow, TensorFlow, PyTorch

Programming & Methodologies

Python, Go, Bash, PowerShell, JavaScript, SQL, Agile, Scrum, GitOps, SRE Practices, DevSecOps, A/B Testing

Professional Experience

AMADEUS

Senior DevOps Engineer April 2024—Current

Managing critical infrastructure for one of the world's leading travel technology platforms, I ensure exceptional reliability and performance for systems processing billions of transactions annually. Leading cloud migration initiatives and implementing cutting-edge SRE practices to achieve enterprise-level availability and efficiency.

ICRON

Cloud Engineer September 2022—April 2024

Optimized cloud infrastructure for enterprise supply chain optimization platform, delivering significant cost savings and performance improvements through automation and modern DevOps practices.

IBM

Site Reliability Engineering June 2022—September 2022

Contributed to enterprise-level reliability engineering initiatives, implementing monitoring solutions and container orchestration to enhance system performance and availability.

AYSTEK Smart Software

DevOps Engineer January 2021—May 2022

Drove cloud migration initiatives and established infrastructure automation practices, delivering significant cost savings and performance improvements for multiple client applications.

Ozyegin University

Teaching Assistant January 2021—May 2022

Supported academic excellence by facilitating practical learning experiences and developing automation solutions to enhance educational efficiency.

Achievements

Master of Science in Artificial Intelligence (In Progress)

Ozyegin University

Currently pursuing advanced studies in Artificial Intelligence with focus on Machine Learning, Deep Learning, and MLOps. Combining theoretical knowledge with practical application in production environments.

Bachelor of Science in Computer Science

Ozyegin University

Completed comprehensive computer science program with GPA: 3.2/4.0. Gained strong foundation in software engineering, algorithms, data structures, and system design principles.

Microsoft Azure Administrator (AZ-104)

Microsoft

Certified Azure Administrator demonstrating expertise in implementing, managing, and monitoring Microsoft Azure environments including compute, storage, networking, and security services.

Key Projects

Cryptocurrency Price Prediction with Sentiment Analysis Engineered deep learning models (Informer, Autoformer) to predict BTC/ETH prices using Twitter sentiment analysis. Achieved 64% accuracy and 25% error reduction. Deployed on AWS SageMaker with real-time inference processing 10K+ predictions daily.

Blockchain E-Commerce Platform Built decentralized platform using React, Node.js, and Solidity smart contracts. Implemented AWS infrastructure achieving 99.9% uptime and 200ms response time. Integrated MetaMask for crypto payments processing 500+ transactions.

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