FEVZI CAN SAHINLER

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Skills

- **Languages:** Go, Python, SQL, Bash
- **Technologies & Tools:** Kubernetes, Openshift, Helm, Linux, Jenkins ,Docker, ArgoCD, Redis, AWS, Github Action, Fortify, Sonarqube, Ansible, Prometheus, Grafana, Nexus, AppArmor, KubeSec, GVisor, Kata Container, Trivy, SmartCheck, JMeter, Kibana, LogStash, AppDynamic

Work Experience

DevOps Engineer | **Vodafone** | *Istanbul, TR* | 03/2024 - Present

- Managed Jenkins infrastructure for over 3,000 users, handling upgrades, role-based access control, and ongoing maintenance. Ensured 92.0% uptime across all environments, including production, while resolving operational issues and improving system reliability.
- Administered SonarQube and Fortify for 200+ projects, performing upgrades and integrating static code analysis into CI/CD workflows to enhance code quality and security
- Built CI/CD pipelines for Java, .NET, Python, Go, JavaScript and SQL applications, automating deployments for WebLogic, WebSphere, and OpenShift while ensuring compatibility with both modern and legacy systems.
- Assessed the DevSecOps maturity of more than 40 products using OWASP's model and a scoring methodology to evaluate integration levels and potential for improvement. Identified gaps in products DevSecOps processes and provided strategic guidance to address these issues. Targeted improvements were implemented, increasing the projects overall maturity levels from 12% to 88%.
- Set up and maintained Prometheus and Grafana for monitoring, creating dashboards and alerts to identify issues. Improved Helm charts for Kubernetes deployments and integrated Nexus for managing Docker images and build artifacts, ensuring smoother and more reliable workflows.

DevOps Engineer | **DDTECH** | *Istanbul, TR* | 10/2022 - 01/2024

- I conducted performance, load, and stress tests on Kubernetes-hosted applications and used the results to optimize HPA, improving resource management and scaling during high-traffic periods.
- I built and managed 20+ node Kubernetes clusters across development, test, and production environments, handling OS and Kubernetes upgrades and implementing security hardening.
- I containerized Python-based AI models, .NET services, and JavaScript applications, resolving performance issues, reducing Docker image sizes, and cutting storage costs by 30%. Deployment speed improved by 40%.
- I built CI/CD pipelines to automate deployments for AI workflows, backend services, and frontend applications, achieving zero-downtime rollouts and a 35% increase in delivery efficiency.
- I configured Prometheus and Grafana for Kubernetes monitoring, creating dashboards and alerts that reduced incident response times by 40% and ensured 99.9% uptime for critical services.

Education

B.E. in Software Engineering | **Beykent University** | 10/2020 - 06/2024

- **Relevant Coursework:** Object Oriented Programming, Databases, Discrete Mathematics, Differential Equations, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Data Mining, Advanced Data Structures and Algorithms, Information Retrieval, Image Processing

Project Works

- **Huawei Cloud Developer Competition (2022):** Successfully deployed an OCR service for processing ICAO 9303-compliant ID cards and passports. Combined Huawei Cloud's OCR Service with our own tailored solution to ensure seamless performance and robust security. Leveraged Serverless ServiceStage for automatic scaling, alongside Huawei Managed Redis, RabbitMQ, and MySQL, to maintain reliability under varying workloads.
- **System Beacon (2023):** Developed a monitoring system for servers, IoT devices, and operating systems, collecting metrics like CPU, RAM, and Disk I/O, along with events such as DNS queries and active services using Go agents. Utilized RabbitMQ for reliable data transmission and FastAPI for managing and processing data flows. Integrated InfluxDB for storage and designed a React.js dashboard to display real-time data, enabling efficient analysis and preventing data loss with a scalable architecture.
- **Web Service Security Vulnerability Detection (2024):** Conducted a research project to analyze and mitigate vulnerabilities in web services, focusing on threats such as SQL Injection and XSS attacks. Developed a Python-based framework to experiment with algorithms like Random Forest, K-Nearest Neighbors (KNN), XGradient Boosting, Decision Tree, and DBSCAN, achieving 92% accuracy in identifying anomalous HTTP request patterns. Applied clustering techniques to categorize suspicious activities, providing insights into improving web security. Published findings to enhance awareness and support proactive defense strategies against emerging threats.

Certifications

- Certified Kubernetes Administrator (CKA) | Certified Kubernetes Security Specialist (CKS)