

Utku Özdemir

SOFTWARE ENGINEER

Berlin, Germany

✉ uoz@protonmail.com | 🌐 <https://utkuozdemir.org> | 💻 utkuozdemir | 📄 Utku Özdemir | 📺 utkuozdemir | 🐦 @utkuozdemir

Summary

I am a software and infrastructure engineer living in Berlin, with over 7 years of experience.

I enjoy building robust, scalable solutions and helping my team.

For the last 2 years, my main focus area is infrastructure, particularly Kubernetes, containerization and building private cloud solutions.

I also have extensive experience on building backend software using JVM languages, mainly Java and Kotlin.

Experience

MobiLab Solutions GmbH

Berlin, Germany

TEAM LEAD - PLATFORM INFRASTRUCTURE

Jul. 2018 - May 2020

- **Project:** cloudmobility - Daimler AG
- Lead a team on building a Kubernetes and Ceph based multi-tenant cloud platform.
- Lead the architectural decision processes on compute, storage and network components.
- Communicated with the other team leads on defining the contracts.
- Wrote design proposals and decision logs.
- Documented coding guidelines for the Ansible playbook repositories.
- Implemented Ansible playbooks to bring up multi-tenant, production-grade Kubernetes clusters.
- Created Helm charts for the management of the Kubernetes clusters.
- **Technologies used:** Kubernetes (kubeadm, CRDs and custom controllers, PodSecurityPolicies, RBAC, Admission Webhooks, dynamic persistence provisioners), Containerd, Docker, Helm, Istio, Cilium, Nginx Ingress, Ansible, Go, HAProxy, Keepalived, CEPH, MAAS, BGP, KVM, gVisor, AppArmor, bare-metal servers

SYSTEM & CLOUD ADMINISTRATOR

May 2018 - May 2020

- Migrated various applications that are running on Azure to Google Cloud, to managed Kubernetes clusters and other managed GCP resources.
- Identity Access Management of the cloud resources on Azure and Google Cloud.

KUBERNETES & DEVOPS CONSULTANT

Mar. 2018 - Apr. 2018

- **Project:** Mercedes pay - Daimler AG
- Worked on the payment provider system as a technical Kubernetes and devops consultant.
- Assisted the team with managing their deployments on Kubernetes.
- Set up and configured the monitoring and logging components, database backups, Helm charts, build pipelines.
- **Technologies used:** Kubernetes (with no-root policy and other restrictions, NetworkPolicies, Ingresses), Helm, EFK, Prometheus, Grafana, AlertManager, PostgreSQL, Traefik

ENGINEERING LEAD

Jan. 2018 - May 2020

- Worked on establishing the engineering practices in the company while collaborating with the other leads. Documenting these practices.
- Worked on defining the recruitment process, preparing technical challenges and conducting technical interviews.

BRANCH MANAGER

Oct. 2017 - May 2020

- Recruitment for the Berlin office
- Budget planning
- People & resource management

TEAM LEAD & BACKEND ENGINEER

Mar. 2017 - Feb. 2018

- **Project:** Master Data Management Platform - Metro AG
- Lead a team on building a Master Data Management platform for Metro AG, which allows article data to be validated&enriched on the attribute level.
- **Technologies used:** Java 8, REST, Kotlin, Spring Boot, Hystrix, Zuul, Cassandra, Solr, Docker, microservices, Kubernetes, Jenkins

BACKEND ENGINEER

Oct. 2015 - Feb. 2017

- **Project:** Article Cache - Metro AG
- Worked on a central master data storage for for one of the biggest retailers in Germany. Heavily used Java concurrency.
- **Technologies used:** Java, GPFS, WebLogic, JAX-RS, Oracle DB
- **Project:** Up to Growth! - Metro AG
- Worked on the backend of a mobile application which aims to increase productivity of meetings.
- **Technologies used:** Java, Azure SQL, Azure Blob Storage

Imona Technologies Ltd.

BACKEND ENGINEER

Istanbul, Turkey

Jan. 2013 - Mar. 2015

- **Project:** ImonaCloud Platform
- Worked on the development of an app-PaaS consists of an in-browser cloud application development platform & marketplace.
- **Technologies used:** Java, Vaadin, Hibernate, Tomcat, Ubuntu

Vodafone Turkey

INTERN

Istanbul, Turkey

Jul. 2011 - Feb. 2012

- Worked on the Data Warehouse, Data Quality department

IBM Turkey

INTERN

Istanbul, Turkey

Jul. 2010

- Worked on Java EE Technologies: JSP, JSF

Education

Galatasaray University

B.S. IN COMPUTER ENGINEERING

Istanbul, Turkey

Sep. 2007 - Jun. 2012

- Degree: 3 of 35
- Graduation Thesis : Development of a Blood Pre-transfusion System for Turkey

Skills

Infrastructure	Docker, Kubernetes, Helm, Rancher, Vagrant, Terraform, Ansible, Azure, GCP, Ceph
Backend	Spring Boot, Hibernate, Maven, Gradle, REST APIs
Programming Languages	Java, Kotlin, Python, Go
Databases	Postgres, MySQL, SQL Azure, Cassandra, Solr
Spoken Languages	Turkish: Native, English: Advanced, German: Basic

Certifications

- | | |
|------|---|
| 2019 | Google , Google Cloud Certified Professional Cloud Architect |
| 2015 | Oracle , Oracle Certified Professional, Java SE 7 Programmer |
| 2015 | Linux Professional Institute , Linux Professional Institute Certified I - LPIC-1 |