

# ANIL ULUTURK

## PROFESSIONAL SUMMARY

Software engineer with 8+ years leading backend development projects in Python, Go, Java, C#, and C++. Expertise in developing robust applications and infrastructure, deployment in Cloud services, and implementing DevOps practices at companies like Google and Microsoft.

## EXPERIENCE

**Software Engineer III, Site Reliability Engineering**, 03/2023 - Current

**Google** - Dublin, Ireland

- Working as an SRE in CloudSQL team, supporting dev teams with internal tooling, metrics and alerting.
- Implementing internal services using Go and Python, developing UI using Angular and Typescript.
- Tracking rollouts and production incidents through oncall rotations.

**Software Engineer II**, 11/2021 - 02/2023

**Microsoft** - Dublin, Ireland

- Development of Backend services in C# for Azure Observability (Metrics) team.
- Development of metric collection agents as part of Azure Observability, using C++.
- Tackling automation and build/release pipelines in Azure Devops, using Terraform.

**Senior Backend Engineer**, 07/2021 - 11/2021

**eBay Classifieds Group** - Amsterdam, Netherlands

- Backend services development for a fraud detection system using Kotlin and Java.
- For storage, using Kafka, MongoDB, PostgreSQL and Bigquery.
- Infrastructure setup using Terraform as IaC on GCP.

**Software Engineer**, 11/2019 - 06/2021

**Bol.com** - Utrecht, Netherlands

- Development of a warehouse intake & outbound prediction system by using Java Spring and Kotlin for back-end and React.js for front-end
- Cloud migration of various legacy datacenter services to Kubernetes on GCP, handling data migrations in MongoDB and PostgreSQL.
- Infrastructure setup using Ansible as IaC on GCP.
- Utilizing Google OR-Tools for warehouse management and optimization.

**Fullstack Developer**, 01/2019 - 11/2019

**VL MEDIA** - Ankara, Turkey

- Backend development for 4 mobile apps on iOS and Android, by using a variety of services in Java, Go, PHP and Python. Development of UI/Frontend for various business screens in AngularJS, Vue.js for internal use.
- AWS as Cloud Provider.
- Large refactors on legacy codebase. Cloud migration of various microservices.

## CORE QUALIFICATIONS

- **Languages:** Python, Go, Java, C#, C++, Kotlin, Scala, Ruby, Typescript
- **Version Control Systems:** git, svn.
- **CI/CD Systems:** Jenkins, Spinnaker, GitlabCI, Github Actions, Azure DevOps.
- **Cloud Services:** GCP, AWS, Azure, Heroku, DigitalOcean
- **Infrastructure as Code:** Terraform, Ansible
- **Cloud & Containerization:** Docker, Kubernetes, Docker Swarm.
- **Database:** (NoSQL) MongoDB, Redis (SQL) MySQL, PostgreSQL, Sqlite (Other) InfluxDB.
- **Frontend Frameworks:** ReactJS, AngularJS, Vue.js
- **Analytics Tools:** Grafana, Kibana, Logstash, Elasticsearch

## EDUCATION

**PhD** : Philosophy, 2024

**Middle East Technical University** - Ankara, Turkey

**MSc** : Artificial Intelligence, 2015

**The University of Edinburgh** - Edinburgh, Scotland, UK

**Bachelor of Arts** : Philosophy, 2014

**Middle East Technical University** - Ankara, Turkey

**Bachelor of Science** : Computer Engineering, 2013

**Middle East Technical University** - Ankara, Turkey

**Expert C++ Developer**, 09/2018 - 01/2019

**NuRD** - Ankara, Turkey

- Developing a native C++ application in Windows which handles 3rd party software management and Windows Patch management for Comodo's RMM tool, namely Comodo One
- Developing unit tests for a poorly-tested submodules of the project.

**Expert Java Developer**, 03/2018 - 09/2018

**Dataprocess IT Solutions (Innova IT)** - Ankara, Turkey

- Development of a microservice-based Real-Time Event Processing application mainly in Java Spring & Spring Boot, which communicates through Apache Kafka
- Developing visualization modules with Grafana, MongoDB and InfluxDB.

**Software Developer (ML)**, 08/2016 - 11/2017

**SAP** - Istanbul, Turkey

- Implementation of Predictive Analysis applications in Machine Learning team by using distributed SAP HANA Vora database as the data source.
- Utilizing machine learning frameworks such as Apache Spark and Tensorflow.
- Developing Proof-of-Concept projects as real-world applications in Python, C++, Go, Scala. Using AngularJS for frontend parts of projects.

**Software Engineer**, 11/2015 - 05/2016

**Vestel R&D** - Istanbul, Turkey

- Development of Android TV application by using Java and Android SDK.
- Maintenance, adaptation and bugfixes of legacy code that was written in C++ and connecting this old framework to Android application by using Android NDK.