Muhammed Can Küçükaslan

Mobile	+90 551 019 13 13	*Website*	*https://kucukaslan.com.tr/*
E-mail	*muhammedcankucukaslan@gmail.com*		*muhammed@kucukaslan.com.tr*
LinkedIn	https://www.linkedin.com/in/kucukaslan/		
GitHub	https://github.com/kucukaslan		

Education

2019 – 2024	**Bilkent University,** B.S. in ***Computer Engineering***, **3.66**/4.00 Bilkent University, Faculty of Engineering, Ankara, Turkey. • Graduated with *High Honors* and ranked in *top 10%*. • Comprehensive Scholarship (100% Tuition Waiver)
2019 – 2024	**Bilkent University,** B.S. in ***Mathematics*** (second major), **3.65**/4.00 • Graduated with *High Honors*.

Work Experience

Feb. 2025-	**Getir** (*Turkish Decacorn*) **Backend Engineer II**
Jan. 2024 - Jan. 2025	**Getir** (*Turkish Decacorn*) **Backend Engineer I** • Design and implementation of courier rewarding (& gamification) service in **Go** with **Go-kit** with microservice architecture using Apache Kafka and Flink. • Optimized, in a joint effort, MongoDB usage to dramatically improve certain query performances and ***reduce monthly database costs*** by $2000+. • Maintenance (various feature implementations, bug fixes, dependency and language version migrations) for microservices written in Java/Spring and NodeJS.
July 2023 - Nov. 2023	**OTO** Global *(Remote)* **Backend Engineering** Intern & Part Time Backend development using Java & Spring on Google Cloud Run (GCR) & Compute Engine. I gained experience in MySQL and Redis. I learned Kafka and Google Pub/Sub. I've also used Logging and GCR Metrics to track anomalies and bugs.
June 2022 - Sep. 2022	**Peak Games** (*Turkish Unicorn*) **Big Data Platform Engineering Intern,** I contributed to s5cmd written in **Go**. s5cmd is a performant command line application used for cloud storage operations, particularly for **AWS S3,** that takes advantage of concurrency and parallelization: • Implement extensive **shell** autocompletion support for zsh, bash and pwsh #500 peak/s5cmd (github.com) • Implement **file versioning** support for **S3 compatible file systems** #475 peak/s5cmd (github.com) • Refactor **sync** command to handle sync of directories with millions of files via **external sort** #483 peak/s5cmd (github.com) and more Pull requests peak/s5cmd (github.com).

Project

Todo:
todo is a to do list application for command line

It is a simple and lightweight to do list application written in **Go**. It has exactly the main features. It is hosted at https://github.com/Kucukaslan/todo
It uses *GitHub Actions* and *GoReleaser* for CI/CD.

PoCSequentiality

A proof of concept to take advantage of sequential writes over random writes for large file downloads from **S3-compatible file systems** written in **Go**. Hosted at github.com/kucukaslan/PoCSequentiality

Skill

Languages

English (Academic/Professional Proficiency)

Turkish (Native)

Programming languages

Go (Goroutine / channel patterns, Go-kit)

Java (Spring Boot, OOP design patterns)

Python (familiar with ortools, numpy, pandas, FastApi)

C, C++, SQL, MongoQL

Various development tools and environments

Git (mostly via GitHub, BitBucket and GitKraken)

Relational Databases: PostgreSQL, MariaDB, SQLite

Non-relational Databases: MongoDB, CouchBase

Redis, Debezium, CDC, mongosync

Apache **Kafka**, Apache Flink, Google Pub/Sub

Docker, Kubernetes, ArgoCD

CI/CD (GitHub Actions, BitBucket pipelines)

AWS (EC2/S3), Google Cloud (Run, Pub-Sub), Azure

NewRelic, OpenTelemetry, Grafana, OpsGenie

Other Information

Achievements & Rewards

- Bilkent University Comprehensive **Scholarship** Student (includes *100% tuition waiver and stipends*), 2019-2024.
- Ranked **568th** in "YKS" among over **2 million candidates**, in "Sayısal" (lit. Quantitative), **123rd** in "Sözel" (lit. Verbal), **475th** in English.
- Bilkent University *High Honor* Certificates in **Computer Eng.** (7x), in **Mathematics** (6x).
- Bilkent University *Honor* Certificates in **Computer Eng.** (2x), in **Mathematics** (once).

Certificates

- **Go: The Complete Developer's Guide (Golang)** by *Stephen Grider* via Udemy
  Certificate no: UC-c48f8569-b251-45f8-a057-3d491de174ca