

# Muhammed Can Küçükaslan

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**LinkedIn**     <https://www.linkedin.com/in/kucukaslan/>

## Education

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- 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

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- Feb. 2025-now     **Getir Turkish Decacorn, Software Developer**  
**Backend Engineer II**
- Jan. 2024 - Jan. 2025     **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

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**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](https://github.com/kucukaslan/PoCSequentiality)

## Skill

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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

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### 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