

# Muhammed Can Küçükaslan

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**GitHub** <https://github.com/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) 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

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<b>Todo:</b> <i>todo</i> is a to do list application for command line	It is a simple and lightweight to do list application written in <b>Go</b> . It has exactly the main features. It is hosted at <a href="https://github.com/Kucukaslan/todo">https://github.com/Kucukaslan/todo</a> It uses <i>GitHub Actions</i> and <i>GoReleaser</i> for CI/CD.
<b>PoCSequentiality</b>	A proof of concept to take advantage of sequential writes over random writes for large file downloads from <b>S3-compatible file systems</b> written in <b>Go</b> . Hosted at <a href="https://github.com/kucukaslan/PoCSequentiality">github.com/kucukaslan/PoCSequentiality</a>

## Skill

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Languages	English (Academic/Professional Proficiency) Turkish (Native)
Programming languages	<b>Go</b> (Goroutine / channel patterns, Go-kit) <b>Java</b> (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 <b>Kafka</b> , Apache Flink, Google Pub/Sub <b>Docker</b> , Kubernetes, ArgoCD <b>CI/CD</b> (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