

Arda S. Pektezol

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WORK EXPERIENCE

Commencis

July 2022 - Present

[L2] Cloud Engineer

Istanbul, TUR

- Using Golang to develop robust and high-performance backend services with AWS Lambda for over 5 projects, some reaching traffic for over 25000 requests / minute.
- Lead the initial backend development stage for an internal project in the first 6-months of my employment, writing more than 25+ microservices for said project.
- Crafted a Face Comparison AI application using AWS Rekognition for a financial institution, enabling secure loan authorization through facial recognition technology with over 99.9% accuracy.
- Assisted a game studio in managing 10000+ concurrent player data with AWS DynamoDB & DAX, paired with developing a responsive backend using Golang for close to real-time get and update requests.
- Implemented multiple Infrastructure-as-a-Code CI/CD pipelines using AWS CDK with TypeScript, allowing a project structure to be up in under 5 minutes with all the configurations needed.

EDUCATION

Georgia Institute of Technology

Jan 2025 - Present

Master of Science (M.Sc.), Computer Science

Georgia, USA

MEF University

Sept 2020 - June 2024

Bachelor of Science (B.Sc.), Computer Engineering

Istanbul, TUR

- Dean's High Honors, 3.69/4.0 GPA, 240 ECTS
- Google Developer Student Club Member
- TUBITAK 2209-A Research Project Support Grant for Senior Design Project.

CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** AWS Solutions Architect Associate (SAA-C02), AWS Certified Developer Associate (DVA-C02), AWS Certified Cloud Practitioner (CLF-C01)
- **Skills:** Golang, Python, C, Java, JavaScript, TypeScript, SQL, HTML, CSS, Git, Linux, Shell Scripting, Assembly, Docker, CI/CD, AWS; EC2, RDS, Lambda, ECS, ECR, DynamoDB, DAX, Rekognition, CodePipeline
- **Interests:** Logic Puzzles, Board Games (go & chess), Researching, Formula 1, Video Games

PROJECTS

Tez (Programming Language)

tezlang.org (WIP)

- Tez is a statically and strongly typed, compiled general purpose programming language. Main purpose of Tez is to be a simple, readable and safe language that combines the best features of other well-known languages.

Portal 2 Least Portals Hub

lp.pektezol.dev | [GitHub](https://github.com/pektezol/portal2-least-portals-hub)

- Leading the open-source community project written in Golang and React, which is both a website of leaderboards and knowledge, intended for a niche part of the Portal 2 gaming community.

PUBLICATIONS

- [1] A. S. Pektezol, A. B. Uluggergerli, V. Öztoklu, and S. Demir, "Does Prompt Engineering Help Turkish Named Entity Recognition?," 2024 9th International Conference on Computer Science and Engineering (UBMK). IEEE, pp. 233–237, Oct. 26, 2024. doi: [10.1109/ubmk63289.2024.10773605](https://doi.org/10.1109/ubmk63289.2024.10773605).