

Furkan Özgültekin

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Education

Koç University

Computer Engineering

Sarıyer, IST

Feb 2024

Thesis: Developed an application based on the renowned GAN model StyleGAN, for altering individual expressions in group photographs, spearheaded the **Cloud AI integration** processes and the **back-end development** of the application in a django, gcp, swift, djangoDB tech stack.

Relevant Coursework: Computer Networks, Intr. Machine Learning,

Completed the "Cryptography, Security & Theoretical Analysis" Track Program

Milli Eğitim Vakfı High School

Büyükdere, IST

Jun 2019

3 Year team member of the Model United Nations Club, Participated in 5 Committees with several scopes such as UN SDG, SPECPOL, UNSC...

Experience

QberX Teknoloji

Remote

Full Stack Developer (Infrastructure & Open Banking)

Jun 2024 - Present

- Unofficially started in March 2024 tasked with setting up the backbone of the grant project the firm achieved funding for, currently working on outsourced projects in the finance & banking industry.
- Tasked with various tasks such as but not limited to porting front-ends from react repositories to **next.js** micro repository architectures, developing **stored procedures**, testing application interfaces, developing **.net framework** and **.net core** back end applications for **open-banking** and gateway services, **ESB** service integrations & implementations...
- Provided **technical consultation** on newly imposed **non-repudiation** requirements in the open-banking domain to clients, organizing meetings with consumer firms' developers to technically explain and validate the correctness of implementations both cryptographically and in business analytics.

Yapı Kredi Technology

Kocaeli, Gebze

Intern Software Engineer (Customer Analytics Team)

Mar 2023 - Sep 2023

- Worked in the implementation of both the **front-end** and the **back-end** of several new microservices.
- Mainly utilized **React.js** and **Spring Framework** working mainly on the API controllers and
- Implemented the migration to a **microservice architecture** for some functionalities of the existing CRM Software for the V2.0 Release.
- Performed Database truncation operations on **PL/SQL** for redundant data tables on our Team's domain.

KKB (Credit Bureau)

Security Analyst Intern

Ataşehir, IST
Aug 2022 - Mar 2023

- Worked on daily analysis of incoming traffic to do threat assessment via splunk **SIEM** frameworks.
- Developed several playbooks on open source intelligence via. **SOAR Playbooks** and integrations with **nexpose** and **RecordedFuture** to aid in prevention of **zero-day vulnerabilities** being present in local machines.
- Worked in security integrations of multiple cyber security vendors under the **SOAR** platform using **Python** and **Javascript (ES5)** for data processing and internal API integrations for developing better playbooks for Security Automation

Leadership & Activities

Açık Yazılım Ağı

Back-End Developer (Data Assessment Team, Afetharita)

Remote
Feb 2023 - Apr 2023

- Worked in the back-end implementation of several endpoints, including **geolocation services** and database operations such as migrations, batch operations and truncations on **MongoDB** and **Go**.
- In batch operations, handled use cases such as migrating multiple databases' on geolocation data and populating empty datasets with such data as well
- Implemented **scraping** operation handlers when api calls to the google services were not available for geolocation using both short and long urls in the google maps data.
- Performed manual testing on Afetharita's Front-end to report usability and vulnerability related bugs and documented issues when they occur.

Vodafone Campus Lab

Team Member, Developer

Remote
2024

- Led our team on several instances of the event to success in aspects of innovation, brainstorming, team building.
- Conceptualized and developed the prototype of our final project "IoTax" using web frameworks like **R3f (React.js & Three.js)**, **CI/CD pipelines**, **Blender** and **Hostinger**
- Learned and applied several concepts in leadership including asynchronous teamwork via. Project organization tools such as **Trello**, **Notion** etc.
- Conducted User analyses for our prototype prior to our conception and discovered how new projects can be implemented better with better user contact.

Wings For Life World Run

Runner/Participant

Ist/Kuruçeşme
05.05.2024

- Finished at 7.73km in 1.02.53 hrs before getting caught by the chase car

Skills & Interests

Technical: (Beginner-Expert)

- Go (Intermediate)
- .NET Core (Advanced)
- Rust (Intermediate)
- Spring (Intermediate)
- Next.js (Intermediate)
- Three.js (Intermediate)
- GCP (Advanced)
- Postgresql (Intermediate)
- MongoDB (Beginner)
- Helm (Beginner)
- ArgoCD (Intermediate)
- Azure (Intermediate)
- MSSQL (Intermediate)
- Kubernetes (Intermediate)

Languages: English (Professional), Russian (Beginner), Turkish (Native)

Interests: Kite Surfing & Snowboarding, Football, Guitar and Music Production