Ahmet Eren **BOYACI**

COMPUTER ENGINEER · BACKEND DEVELOPER

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Education

TOBB University of Economics and Technology *Ankara, Turkey*
B.S. IN COMPUTER ENGINEERING *2019 - 2023*
CGPA: 3.41 (Honor Student)

Experience

Picus Security *Ankara, Turkey*

| SOFTWARE ENGINEER | *25 Sep. 2023 - Present* |
| PART-TIME SOFTWARE ENGINEER | *26 Sep. 2022 - 25 Sep. 2023* |

- Worked with a team responsible for the **backend** development of a platform used for conducting breach attack simulations and validating SIEM/EDR rules. We worked using the **agile** development methodology using **Go** as the programming language, along with many **AWS** features such as **SNS/SQS queues**
- Implemented **REST API** endpoints using **Gin-Gonic**, **Gorm** and **Queues (asynchronous operations)**
- Worked on various tasks on multiple repositories. Wrote migration files, and scripts to alter the database using **PostgreSQL**
- Implemented an **integration agent** to validate the rules and improve performance, such as Splunk and Crowdstrike
- Collected and analyzed metrics using **New Relic** and **SonarQube**
- Wrote **Unit and Integration tests** for each task

STM *Ankara, Turkey*
CYBER SECURITY INTERN (MALWARE RESEARCHER) *09 May 2022 - 26 Aug. 2022*

- Developed malware that are **100%** undetectable on **VirusTotal** by implementing sophisticated defense evasion techniques in **C++**
- Made **CTF (Capture the Flag)** challenges for Turkey's biggest CTF, STM CTF 2022
- Worked on the web application of STM CTF 2022 as **Full-Stack** developer

BAYKAR Defense *Istanbul, Turkey*
FULL-STACK DEVELOPMENT INTERN *31 May 2021 - 03 Sep. 2021*

- Worked on a project that visualizes **GIS data** on a dynamic map application with **SDLC** methodology by using **Javascript, JQuery, Flask, Python and GIS analyzers** *(Allowed to share very little information due to confidentiality)*

Projects & Awards

2nd Place | given by Turkish Airlines on TEKNOFEST 2022 | EasyTK *Samsun, Turkey*
FLUTTER, AR

- My teammates and I developed an indoor navigation application. Our solution enables passengers to find the shortest path in airports and follow the route with AR lines.

1st Place | given by PwC Deutschland on Hackathon Interschutz 2022 | ARTEAL *Hannover, Germany*
REACT, NEUROSKY, VR, UNITY 3D

- My teammates and I built a tool to train volunteers for crisis situations using VR and we used this data to match volunteers with situations to best their skills. We also build a web-based control panel that shows all the details on a real-world map.
- 1st place in the Match Challenge given by PwC Deutschland and 2nd place overall.

1st Place | given by Presidency Digital Transformation Office | Malware.Studio *Ankara, Turkey*
REACT, GOFIBER, MONGODB, DOCKER, DOCKER-COMPOSE, GO BASED MY UNIQUE MALWARE

- Developed a web-based platform to create FUD unique malware with user-requested functionality

Skills

Programming	Go, Java, C, C++, JavaScript, Typescript, Python
Frameworks & Libraries	Gin-Gonic, Gorm, ExpressJS, React, NextJS, Flutter, Redux, TailwindCSS
Database Systems	PostgreSQL, MongoDB, Firestore
Relevant Coursework	Algorithm Design, Data Structures, Game Theory, Computer Architecture, Object Oriented Programming, Computer Networks, Database Systems, Operating Systems, Big Data
Languages	English(Full professional proficiency), German(A2), Turkish(Native)