Demir DERELI

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EDUCATION

Sabanci University - Istanbul, Turkey   **September 2019 – February 2024**

Computer Science and Engineering, BS

American Collegiate Institute - Izmir, Turkiye   **September 2014 – June 2019**

WORK EXPERIENCE

Junior Frontend/Mobile Developer, Rapsodo Inc. - Izmir, Turkiye   **February 2024 – July 2024**

- *Revitalized* an abandoned volunteer tracking project by forming and leading a team to implement missing frontend (React), backend (Django), and mobile (React Native) features.
- *Developed* a CapacitorJS app with IoT and data visualization features using VueJS.
- *Authored* PRDs to contribute to the product development cycle.

Part Time iOS Developer, Rapsodo Inc. - Izmir, Turkiye   **April 2021 – February 2024**

- *Engineered* iOS apps using SwiftUI and UIKit with MVVM and VIPER architecture, connecting to IoT devices for real-time data.
- *Collaborated* with QA to enhance the bug-fixing process for critical issues in existing apps.

Student Ambassador, Microsoft Imagine - Istanbul, Turkiye   **May 2022 – August 2022**

- *Participated* in workshops with Microsoft executives on innovation, management, technology, and career guidance.
- **Achieved** certifications in Azure Cloud Services, machine learning, data science, and cloud security.
- *Developed* and *presented* a sustainability-focused iOS app to Microsoft executives and engineers.

RESEARCH and PROJECTS

SU Cyber - Istanbul, Turkey   **September 2021 – Present**

- **Competed** in Capture the Flag challenges to solve puzzles, utilize critical thinking, and develop proficiency in ethical hacking.
- *Explored* the basics of cybersecurity by implementing Kali Linux and social engineering techniques.

CS412 - 432 – Computer Networking and Network Security   **September 2023 – February 2024**

- *Constructed* a client and server app that communicates using encrypted messaging through web sockets.
- **Implemented** secure enrollment, login, authentication, and verification systems to ensure encrypted connections between client and server.

CS308 - Software Engineering   **September 2022 – January 2023**

- *Built* an e-commerce website/mobile app with full backend support for real-time customer transactions and inventory processing using React JS, Django and Flutter.

CS310 - Mobile Application Development   **September 2022 – January 2023**

- *Developed* a social media app with Flutter, featuring direct messaging, post sharing, and a homepage feed using Firebase Service.

TECHNICAL SKILLS & CERTIFICATIONS

- **Frontend:** JavaScript, TypeScript, HTML, CSS (SCSS), React JS, Redux Toolkit, Vue.js (Vuetify, Vuex)
- **Mobile Development:** React Native, CapacitorJS, Swift (UIKit / SwiftUI), Flutter / Dart (Beginner)
- **Backend:** Node JS
- **DevOps:** Docker, Digital Ocean, Azure, Linux (Intermediate), Low Level OS (Intermediate)
- **Programming Languages:** C/C++ (Intermediate), Python (Intermediate), C# (Beginner)
- **Certifications:** Microsoft AZ:900 Azure Fundamentals, Microsoft MS:900 Microsoft 365, Microsoft DP:900 Data Science Fundamental

SKILLS AND INTERESTS

Areas of Interest: Technology, Music Production, Visual Arts

Languages: Turkish (native), English (fluent)