



# Serdar ALTINKAYA

## Electrical Electronic Engineer

After completing my B.Sc. in 2019, I fulfilled my military service. I received my M.Sc. in Engineering from Abant İzzet Baysal University in 2022, where I worked on an industrial R&D project with a major home appliances manufacturer, focusing on temperature control systems. My thesis led to the development of a stable measurement system for platinum resistance temperature sensors, which was published in Laboratory Technology (Vol. 66, 2023).

Currently, I work as a Flutter Developer at Smart Maple, where I have developed and published multiple cross-platform mobile applications. I am also involved in mobile game development using Unity.

## Contact

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### Address

Bolu/Merkez

## Education

2014-2019

**Bachelor's Degree in Electrical and Electronics Engineering**

Abant İzzet Baysal University

2016-2019

**Associate Degree in Occupational Health and Safety**

Atatürk University

2020-2022

**Master's Degree in Electrical and Electronics Engineering**

Abant İzzet Baysal University

## Expertise

- Flutter & React Native & Android App Development
- PCB Design (Altium),
- 3D printing
- Unity
- STM32CubeMX

## Language

English

Turkish

## Project

<https://serdar483.github.io/>

## Experience

### 2022 - Current

Smart Maple

#### Flutter Developer

Since June 2022, I have been working as a mobile application developer at Smart Maple, specializing in cross-platform solutions using Flutter (Dart). I have contributed to the development and deployment of several applications published on both Google Play Store and Apple App Store. My work focuses on integrating RESTful APIs, implementing Firebase services, and applying modern UI/UX design principles. In addition to released products, I am also involved in ongoing projects currently in various stages of development.

### 2021-2022

TÜBİTAK-TEYDEB Project, Abant İzzet Baysal University

#### Research Assistant (Scholarship Student)

Worked on an industry-academia R&D project in collaboration with Arçelik, focusing on temperature measurement and control systems for household ovens. Responsible for data acquisition, system control, and experimental validation. Collaborated closely with two faculty members throughout the project lifecycle.

### 2020-2021

Turkish Armed Forces General Staff

#### Engineering and Security Officer

Completed mandatory military service as an officer in a specialized technical unit. While specific responsibilities are confidential, the role involved engineering and security-related duties. Received formal recognition for outstanding service with a commendation plaque.

### Summer 2018-2019

EAE Group (EAE Elektrik & EAE Lighting)

#### Project Planning Intern

During my internship at EAE Group, I acquired practical experience in electrical busbar systems and architectural lighting technologies. I contributed to project planning workflows and supported the preparation of technical documentation related to power distribution and lighting design. Additionally, I created 3D technical drawings using AutoCAD and performed lighting simulations with Dialux to analyze and optimize lighting systems for various spaces.

## Reference

### Prof. Dr. Alper Bayrak

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