Talip Egehan Çakır

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İzmir / TÜRKİYE

FULL STACK DEVELOPER & COMPUTER ENGINEER

I am a software engineer specializing in mobile development. I develop powerful and scalable mobile applications using **Flutter**, **Kotlin** and **Java** and I am familiar with **SwiftUI** and **Jetpack Compose**.
Additionally, I build robust backend solutions for mobile apps with ASP.NET and .NET Core services.
I have expertise in **OOP**, **algorithms**, **Docker**, **RabbitMQ**, **Redis**, **MSSQL**, and PostgreSQL. I work with version control systems like **GitHub** and **Bitbucket** and use project management tools like **JIRA**.
My passion for technology and mobile innovation drives me to create high-performance applications focused on user experience.

KEY COMPETENCİES

Flutter, Java, Kotlin, Firebase, Play Store&App Store optimization.

Net Development: High-traffic services, SQL, NoSQL databases.

Strong interpersonal skills
Proactive and self-motivated
Exceptional organisational skills

PROFESSIONAL EXPERIENCES

Baylan Water & Electric Meters Company

Full Stack Software Developer

July 2022 - Present

- Performance improvements, revisions, and adding new features to mobile applications developed with Flutter, Java, and Kotlin.
- Managing Google Play and App Store processes, handling app sales operations, and integrating Firebase tools.
- Building scalable and maintainable mobile solutions using architectural patterns like MVVM, MVP, and MVI.
- Implementing UX-focused user interfaces.
- Developing IoT device integrations, remote control systems, and RF communication, NFC, Bluetooth, and BLE-based communication for industrial mobile applications, including smart meter management.
  - NFC Solutions: Implementing secure, contactless authentication for smart meters and industrial devices, including ISO/IEC 14443, MIFARE, and Felica standards.
  - Bluetooth & BLE (Bluetooth Low Energy) Communication:
    - Real-time sensor data acquisition and synchronization.
    - Over-the-Air (OTA) firmware updates for IoT devices.
    - Optimized BLE scanning and background connection handling for efficient energy consumption.
  - Modular & Scalable IoT Architectures:
    - Implementing Clean Architecture, Hexagonal Architecture, and Domain-Driven Design (DDD) to ensure maintainable and scalable codebases.
    - Utilizing Microservices & Serverless architectures for backend services supporting IoT devices.
- Custom Android & Flutter Libraries:
  - Designing low-level communication libraries for custom IoT hardware.
  - Creating abstraction layers to standardize Bluetooth, NFC, and RF communication across multiple devices.
  - Developing protocol parsers for proprietary IoT data formats.
- High-Performance Data Processing & Background Services:
  - Multithreading & Coroutine-based architectures in Kotlin for efficient data handling.
  - Isolate-based computation in Flutter for real-time data processing without UI lag.
  - Adaptive network handling for IoT applications, ensuring smooth operation in poor connectivity conditions.
- Security & Reliability:
  - End-to-end encryption using AES, TLS, and DTLS for secure IoT communication.
  - Device authentication & secure key storage with HSM, Keystore, and Secure Enclave.
- Developing robust and optimized backend services for mobile applications using .NET Core and ASP.NET.

Best Transformer Company
Full Stack Software Developer   **June 2021 - July 2022**

- Full Stack Development:
  - Designed and implemented enterprise solutions (stock tracking, process management, accounting systems) using .NET Core, ASP.NET, and Entity Framework Core for database management.
- Developed RESTful APIs for seamless frontend-backend communication with secure JWT-based authentication.
  - Created dynamic, responsive UIs using React and Angular, optimized with Bootstrap and DevExpress.
- Barcode & QR Code Integration:
  - Integrated barcode scanners for inventory and transaction tracking. Developed QR code processing solutions for operational efficiency.
- Data Management & Optimization:
  - Worked with SQL Server and PostgreSQL for data optimization, including query and index tuning.
- Implemented real-time data synchronization using SignalR and other data streaming techniques.
- Agile Project Management:
  - Utilized Agile/Scrum methodology, managing development cycles and workflows with JIRA.

METADATA Informatics
Intern Software Developer   **June 2020 - Dec 2020**

- I played a role in developing a cross-platform mobile application with **React Native** that connects local producers with customers. Application name: FoodDock.
- I made a Front-End development with **Angular** for a device that monitors the temperature and humidity measurements of pharmacy cabinets.

EDUCATİON & CERTİFİCATİONS

Kutahya Dumlupinar University
Computer Engineering Program
Date of Graduation: January - 2020 GPA: 2.73

- **Advanced Project Management -Certificate**
- **ASP.Net Core & MVC -Certificate**
- **SQL Database Programming -Certificate**
- **.NET Core Web Api & Angular -Certificate**
- **xUnit Test-Asp.Net Core MVC/API -Certificate**
- **CS50x Course -Certificate**
- **Android Study Jam   etc...**

EXTRACURRİCULAR ACTİVİTİES

President, DUMOST(Cycling Club)
During my university years, i worked as a club manager and coordinator and I volunteered in six different communities.

Cycling, Motorcycle Riding , Archery etc.

LANGUAGE SKILLS

English
I can read and write well,speak fluently and understand very well