Furkan Akdemir

Software Engineer

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PROFESSIONAL EXPERIENCE

Tofna Technologies, İstanbul

Senior Android Developer

August 2019 – Present

- Implemented a media framework for Android with Kotlin.
- Implemented UI framework to reuse the components on each module.
- Developed the fully reactive and offline-first architecture with clean code.
- Developed a background synchronizer with WorkManager.
- Refactored single module app to multi-module app via Kotlin-DSL.
- Developed media features with Camera and Audio in Android Framework.
- Developed a building pipeline for Android applications and libraries via Github Actions.
- Documented the application's architecture, testing procedures and version control strategy.

Mobven, YTU Teknopark, İstanbul

Senior Android Developer

January 2019 – August 2019

Yemeksepeti Banabi

- Designed and developed the architecture of Yemeksepeti's Banabi app written in Kotlin.
- Contributed to Yemeksepeti's App by making it multi-module.
- Implemented the clean architecture using interactors to cope with extensive business rules in Banabi.
- Used heavily Android Architecture Components, RxJava, Dagger and Kotlin extensions.
- Designed and developed custom views.
- Reviewed the code written by colleagues to build an uniform codebase.

Vakıfbank

- Implemented Push Notification and Deeplink support.
- Implemented Search ATM using Google Maps for Android.

KoçAilem

- Maintained and refactored KoçAilem project.
- Implemented the network calls using Kotlin coroutines in KoçAilem.
- Implemented a robust local caching mechanism using Room in KoçAilem.

Ticket

- Created a NFC module to interact Ticket App with POS Terminal.
- Developed a customizable tracking engine for user and product analytics for Ticket App.
- Integrated Insider into Ticket App.

Enerjisa

- Implemented a new version of appointment flow in Enerjisa Mobile.
- Integrated Enerjisa Distribution Mobile App with Firebase.

- Improved the common build pipeline in Jenkins.

Innology Bilişim, Bilkent Cyberpark, Ankara

Android Application Developer

May 2017 - November 2018

- Designed and implemented İstanbul Metropolitan Municipality's iTaksi Passenger App (Link at the end).
- Designed and implemented iTaksi Driver App in which drivers receive the taxi requests. It is a dedicated and always-on tablet application for drivers.
- Developed iTaksi Maintenance App used to configure the system parameters of the iTaksi Driver App such as camera, server and power.
- Implemented the core library module used by the projects.
- Applied MVP and MVVM to all three applications.
- Developed the reactive data module that stores and exposes changes.
- Created the test suites including unit and instrumented tests.
- Constructed a pipeline to build Android applications using Gitlab-runner and Docker.
- Implemented the continuous communication between Driver App and server using Websocket.
- Implemented a push consumer service for both Passenger and Driver App using Firebase SDK.
- Developed a standalone VOIP module used by both Passenger and Driver App.
- Implemented a module that tracks users' events using Mixpanel.
- Designed all the applications according to Material Design Guidelines.
- Managed the source code using Git.
- Applied the agile development lifecycle.

Navek Teknoloji, Bilkent Cyberpark, Ankara

Intern

August 2015 - September 2015

- Integrated Esotia Android App into Google Fit.
- Implemented the expansion pack for Şanlıurfa City Guide to reduce the APK size.

TAV Bilişim Hizmetleri A.Ş. Esenboğa Airport, Ankara

Intern

August 2013 - September 2013

- Tested the ticket printing systems at Esenboğa Airport.
- Implemented a document inventory application using Microsoft Access.

Bilkent University, Ankara

Tutor

2013 Fall

- Java tutorship for CS114:Introduction to Programming.

SKILLS

Computer

Java: JMS, FreeMarker Java Template Engine
Android: Android SDK, Kotlin, Android Architecture Components, Google Play Services, Material Design, MVP, MVVM, Room, Coroutine, RxJava, Dagger, Koin, Espresso, Robolectric, Mockito, UI Automator
Beacon: Eddystone, AltBeacon, IBeacon

Language

- Turkish (Native)
- Advanced English
- Basic German

EDUCATION

University of Bamberg, Bamberg

Student Exchange

2014 – Summer

Bilkent University, Ankara

Bachelor's Degree in Computer Science

2010 – 2016

CGPA: 3.39 / 4.00

AWARDS

- Received the Best Demonstration Award in CSFAIR 2015 for iBeaconizer. (Link at the end)
- Granted a comprehensive scholarship by Bilkent University upon entrance including a full tuition waiver, housing and a monthly stipend.

ACTIVITIES

Open Source Software and Internet Technologies Club

Member

2011 - 2013

LINKS

iTaksi Passenger App: https://play.google.com/store/apps/details?id=tr.gov.ibb.itaksi
iBeaconizer: http://www.cs.bilkent.edu.tr/~csfair/csfair2015/doku.php/awards
NoticeBoard: https://github.com/furkanakdemir/noticeboard
NoticeBoardSample: https://play.google.com/store/apps/details?id=net.furkanakdemir.noticeboardsample&hl=en