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PERSONAL STATEMENT

Software engineer, over 4 years of experience in software development using different frameworks and technologies, fascinated by mobile technologies due to its contributions in terms of making human's life easier. Has fair experience in agile methodology, SDLC and Git. Up to date with apple's development frameworks and swift language.

specialized in software Development, software analysis and identifying software requirements based on users needs and designing an entire system based on the received requirements as well as choosing the technologies for each component at a high level.

Has deep understanding of protocol-oriented programing of IOS framework and ios design principles with particle demonstrated experience of various projects.

Experience:

- **Software Engineer IOS Developer Procenne (started January 2019 - present) projects:**
  - **Istanbulkart IOS application (apple store link: https://apps.apple.com/tr/app/istanbulkart/id1352307391?l=tr):**

    Achieved the development Istanbulkart application of 2.0.9 and 2.0.10 versions on IOS mobile devices which's used by more than 1 million users and still working on 2.0.11 version:
    1) Ensured the performance, quality and responsiveness of the app on different iPhone's screens

    2) Achieved integration of Mifare Smart cards (Istanbul card) with core NFC that enables users to load money to Istanbul card (transportation card).

    3) Integrated the app with third party banking services for enabling user to save credit/debit card to be used later on as they make payment for faster transactions (transportation card top-up).

    4) Integrated the app with third party banking services for enabling user to delete previously saved credit/debit card.

    5) Developed istanbulkart app with third party banking services that enable users to make payment with credit/debit cards (transportation card top-up).

    6) Achieved encryption user's private Info while sending data to banking parties using RSA, AES encryption algorithms.

    7) Integrated mobile device's resources such as camera with the application different modules to enable users store Istanbul cards or make payments in different transportation stations (metro, bus, vapours) using scanning QR technology.

- **Software engineer IOS developer self-employed (3rd January 2018 – 16th May 2019) projects:**

- **IOS mobile app pharmacies on emergency (https://itunes.apple.com/app/id1439016792#?platform=ipad):**

  IOS App provides information of pharmacies on emergency on daily basis for more than 80 cities and 1000 districts around Turkey. The App is dedicated for Arabs who live Turkey and struggle reaching this service from Turkish chamber of pharmacy as it's provided in Turkish language.

  1) Suitable for all IOS devices (IPad, IPhone SE, IPhone x, IPhone 6s, etc).

  2) Interacts with an API and provides data on daily basis.

  3) Provides data for the user about pharmacies on emergency in an easy way That allows user to navigate and select one city among 80 cities moreover allows the user to select one district among 1000 districts to eventually get the available pharmacies based on user selection to be shown both on google and apple maps with routing feature.

- **App's backend web-API:**

  Web API had been developed using PHP and Mysql to eventually provide information of pharmacies on emergency on daily basis. Basically the code fetches the JSON data from other web API service and store it in the database in order to be classified in such a way that the IOS app can interact with it easily.

- **Software engineer PHP web developer self-employed (January 2016-Augest 2018):**

  - **Occupational therapy (http://www.ergotherapie-bad-mgh.de):** A website for occupational therapy clinic, which is based in Germany, the objective that has been achieved was to create content management system that allows website's admins to manage the sections available (update, create and delete) using CodeIgniter php framework. Main objectives:

    1) Responsive and usable UI.

    2) Re-development of the old data structure.

    3) Integrating Admin panel with Google analytics.

    4) Integrating PHP mailer with CodeIgniter framework.

  - **Shot fast food:** A website was developed for a restaurant based in Saudi Arabia that provide middle eastern food, the objective that had been achieved was to create a CMS to manage the different food sections available in the restaurant with taking into consideration website responsiveness for different screen sizes.

  - **Fikam Yapi:** A website was developed using wordpress framework, it was dedicate to serve the need for real estate company that led many constructional projects in Istanbul, the website allows the admins to create constructional project based on a certain category such as ongoing projects, completed projects, future projects and sold projects moreover the admins can create consistent gallery for each project in addition to several custom web pages.

Internship:

- **Android developer Mobven (June-August 2014):**

  - Hands on parsing different web APIs and showing results on screen.
  - Achieved creating multiple demo apps for dealing with different layouts.
  - Fundamental knowledge and implementation for android application life cycle

- o Working with Sql-lite and CRUD implementation in different demos
- o Integrating google maps with android project.

Graduation project Thesis | Istanbul Aydin University | Software Engineering Faculty
|https://www.dropbox.com/s/625cz2jcfpm151r/Graduation_Thesis.docx?dl=0

- o Android Emergency Application

LANGUAGES

- o **English**: professional Advanced / Academic IELTS 6.5 Band Score (speaking 7.0)

- o **Turkish**: Intermediate / Tomer B1 cerificate

- o **Arabic**: Native

KEY SKILLS
Management skills

- o Experience in Agile development methodologies: Scrum, extreme programing approach (XP)
- o Experience in software design Architecture using variety of process models and their appropriate implementation (use case model, activity model, sequence model, object class model, etc.)

Web Programming Skills

- o PHP & MYSQL: I have fundamental knowledge of PHP programming language, and its software engineering applications such as object-oriented programming, design pattern and how to apply database operation using MYSQL and PL-SQL.
- o HTML
- o Css3
- o Bootstrap 3
- o jQuery
- o Angular js
- o Web API (Application program interface): Developing JSON Web API using PHP& MYSQL
- o Java

Mobile development
- o Developing Cross platform application using Cordova and IONIC framework
- o Integrate cross platform applications with Web API.

EDUCATION

- **Bachelor's Degree in software engineering at Istanbul Aydin University - 2015**
- **Master Degree in software engineering at Bogazici university - 2020**

PERSONAL INTERESTS

Traveling | Reading | Football | Classic Cars |

REFERENCES
Linkedin profile: https://www.linkedin.com/in/mahmoud-aoata-7341b488/
References are available on request.