ALI YAZDI

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ABOUT ME

I have been working as a Flutter developer and mobile team leader for two years. I am a CS graduate who interests in using Artificial Intelligence and Software Engineering in my work. I am an open-source advocate who helps developers to solve their problems in development. I am finding a better opportunity and willing to relocate to the new country.

WORK EXPERIENCE

Mate Machine Inc., North Vancouver, British Columbia, Canada - *Remote*   *Jun 2020 – Present*
Flutter
- Working as a flutter developer team leader to launch the application in three months.

Tarafdari, Tehran, Iran   *Mar 2019 – May 2020*
Flutter, Drupal, Laravel, MySQL
- Working as mobile application team leader at one of the most popular sport social media.
  - R&D about Flutter framework and migrating the android application to Flutter application that is including multimedia content, live score matches, sports TV streaming with live chat on the socket.
  - We could reach more than 200k active users on theGoogle Play Storeafter migrating to the flutter.

EDUCATION

Amirkabir University of Technology, (Tehran Polytechnic), Tehran, Iran
- Bachelor of Engineering (BSc.) in Computer Engineering, Software, Ranked 2nd in Iran.   *Sep 2015 – Jan 2020*
  - Thesis: Designing and Implementing Location Based Social Network Recommendation System
  - Adviser: Prof. Mohammad Rahmati

Adab High School. Tehran, Iran
- Diploma in Mathematics and Physics   *Sep 2011 – Jun 2014*

HONORS & AWARDS

- First Place in the 12th Iran Web and Mobile Festival (IWMF)   *Feb 2020*
  - For the Best Sport Mobile Application among 7k applications
- Most installed sport application in Iran   *May 2020*
  - In my first job, we could reach more than 200k active users on the Google Play Store after migrating to the flutter
- Ranked in top 0.2% among more than 180K participants   *Jul 2015*
  - In Nation-Wide University Entrance Exam among all Iranian Student of Physics and Mathematics
- Qualified for the Second Round of Olympiad among more than 70K participants   *Jul 2013*
  - In the Iranian Physics Olympiad and Mathematical Olympiad

PUBLICATIONS

MEDIUM

[1] A. Yazdi, "The Software Engineering approach in Cross-Platform Programming with Flutter (part 1)", Using Software Engineering methods to design and build a fully responsive and adaptive mobile, desktop, and web application, *Flutter Community*, Jan 2021.

[2] A. Yazdi, "The Software Engineering approach in Cross-Platform Programming with Flutter (part 2)", Designing and building the Flutter application structure using the Bloc pattern in the micro-service architecture, *Flutter Community*, Jan 2021.

[3] A. Yazdi, "The Software Engineering approach in Cross-Platform Programming with Flutter (part 3)", Designing and building the Flutter application data models and backend using the Build value and Bloc pattern, *Flutter Community*, Jan 2021.

PROFESSIONAL PROJECTS

- **The Flutter Protfolio Application**, *Flutter*   🤖 🐧 🌐
  - Designing and Building a responsive Flutter gallery application for any platform.

- **The Flutter Gallery Application**, *Flutter*   🤖 🐧 🌐
  - Designing and Building a responsive Flutter gallery application for any platform using micro-service architecture.

- **The Flutter Media Notification Plugin**, *Java, Flutter*
  - Designing and Building a Flutter Plugin that helps developers to show their media notification and control streaming media beyond their Flutter application.

- **The Location-Based Recommendation System**, *Django, Django Rest Framework, Scikit-learn, Flutter*
  - Designing and Implementing Location Based Social Network Recommendation System with Djando and Flutter.

RESEARCH INTERESTS

- Artificial Intelligence
- Machine Learning
- Software Engineering

RESEARCH EXPERIENCE

Artificial Intelligent and Robotics Lab, **Amirkabir University of Technology**,   *Oct 2019 – Oct 2020*

- Undergraduate Research Student, Science Department
  - Project: Designing and Implementing Location Based Social Network Recommendation System
  - Supervisors: Prof. Mohammad Rahmati
  - Focus: Artificial Intelligence, Software Engineering, Data Analytics

LANGUAGES

- Persian: Native language
- English: Fluent, working proficiency

TECHNICAL SKILLS

- **Programming Languages**
  Dart, Python, Java, C/C++, PHP, Assembly
- **Mobile Development**
  Flutter, Android
- **Database Systems**
  PostgreSQL, MySQL
- **Operating System**
  Linux (Ubuntu)
- **Web Development**
  Django , Django Rest Framework
- **Other**
  Microcontroller Programming, Bash Scripting

ACADEMIC PROJECTS

- **Programming Languages**, *racket*
  - NUMEX-Interpreter: Designing a simple interpreter NUMEX programming language with Racket.

- **Information Security**, *python*
  - My-Security-Course: Encryption with MD5, SHA256, DES, working with cryptool software nmap and using ms08_067 exploitand.

- **Computer Networks**, *python*
  - DNS-UDP-TCP-Proxy: A python proxy that receives HTTP packets on UDP then sends them on TCP with DNS server.

- **Microprocessor & Assembly Language**, *C*
  - Digital-Watch-with-LCD: A digital watch with LCD and alarm using microcontroller ATMEGA16.

- **Data Structure & Algorithms**, *Java*
  - Finite-State-Machine: Creating four types of data structure and searching using AVL-tree, balance-TST, trie-tree and hash.

- **Advanced Computer Programmings**, *Java*
  - Planet-vs-Zombies: A 2d game similar to Plant vs Zombies game using java object oriented programming.

[*Last Update on 2021-01-12*]