Ali Shahram Musavi

Full – Stack Developer / Aspiring Software Engineer

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Technical Expertise

Languages: Python (Numpy, Pandas, TensorFlow, Scikit-learn), Java
Backend: SQL (MySQL, SQLite), NoSQL (Amazon Dynamo DB, Mongo DB)
Frontend: JavaScript (jQuery), HTML5, CSS3, Bootstrap
Frameworks: Flask, Lektor, Django, Serverless
Extra: Git, Bash, SharePoint, MS Access, LATEX

Experience

Software Developer **Kabul University** (Kabul, Afghanistan) June 2018 - Present

- Improved the user interface, user experience and interactivity of the platform using HTML, CSS and JavaScript and integrated Bootstrap to the existing codebase decreasing bounce rate by 15%
- Contributed to a group of three developers to implement a web application using Python and Django to access course materials online
- Implemented new APIs and managed the website's interaction with MySQL database, improving the retrieval, storage and manipulation of information

Founder, Software Engineer **Easy Connect** (Richmond, IN) June 2017 - Present

- Identified passenger and driver needs, and led a team of four developers to implement Easy Connect bus driver and customer mobile applications for IOS and Android
- Implemented RESTful API with Serverless framework using Dynamo DB and Amazon AWS Lambda to store passenger data i.e., account balance and ridership
- Learned new concepts such as Square and Google APIs and worked closely with two software developers to implement payment platform and online tracking system using Python for seven vehicles
- Increased ridership by 40% and generated additional $300 thousand in yearly revenue, as the projected numbers from the City of Richmond predict

Software Engineer Intern **Green Tech** (Kabul, Afghanistan) May - July 2018

- Collaborated with a team of eight to develop a software package using Java and Python for the feasibility study of a railway project for the ministry of Public Affairs committing to a strict timeline
- Created a visualization tool using the Bokeh Python package and IPython, helping engineers to measure and analyze the impact of the change in water pressure, and height for a hydropower project
- Maintained and improved connection to SQL, PostgreSQL, and SQL Server using Python
- Created dynamic Add/Edit/Delete record forms with printable Reports for MS Access database

Projects

A Self-service System using RFID **Senior Capstone Project** (Earlham College) Aug - Dec 2018

- Built a web application using JavaScript, HTML and CSS, providing a platform for the administrator to monitor check-in/out and user information
- Implemented a REST API for MySQL database, and automated the process to update, retrieve and create items by the RFID reader
- Designed and implemented a RFID based self-service system for Hopper STEM library at Earlham College

Airport Mapper, **Functional Programming Project** (Earlham College) March 2017

- Designed a user-friendly GUI using Python Tkinter to get the input from the user
- Analyzed and manipulated CSV input files using Pandas to scale distance between airports
- Implemented a python based interactive application using Flask to visualize connecting flights between airports

Education

B.A.: Computer Science and Economics, *Earlham College*- Richmond, IN **Expected May 2019**