Ali Shahram Musavi

Richmond, IN

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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, HTML, CSS, Bootstrap
Frameworks: Flask, Lektor, Django, Serverless

Experience

Software Developer

June 2018 – Present
Kabul University

Kabul, Afghanistan

- Improved the user interface, user experience and interactivity of the platform using HTML, CSS and JavaScript and integrated Bootstrap to the existing codebase
- Implemented new APIs and managed the website's interaction with MySQL database, improving the retrieval, storage and manipulation of information
- Enabled continuous deployment, designed automated framework, and led a group of three developers to implement a web application using Python and Django to access course materials online

Founder, Software Engineer

June 2017 – Present
Easy Connect

Richmond, IN

- Implemented RESTful API with Serverless framework using Dynamo DB and Amazon AWS Lambda to store passenger data i.e., account balance and ridership
- Learned independently 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
- Led a team of four developers, identified passenger and driver needs and implemented Easy Connect bus driver and customer mobile applications for IOS and Android
- 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

May-July 2018
Green Tech

Kabul, Afghanistan

- 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
- Documented and implemented unit and integration testing for several projects reporting regularly to supervisor

Projects

A Self-service System using RFID, *Senior Capstone Project*- Earlham College

- Designed and implemented a RFID based self-service system for Hopper STEM library at Earlham College
- 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

Airport Mapper, *Functional Programming Project*- Earlham College

- Designed a user-friendly GUI using Python Tkinter to get the input from the user
- Analyzed and manipulated CSV input file using Pandas to weight 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**