AARIB ABDULLAH

SOFTWARE ENGINEER

CAREER OBJECTIVE

Looking for Software Engineer position in order to utilize degree and experience for software engineering.

HARD SKILLS

- Python 3
- Flask (RESTful services)
- curl debug tool
- Sqlite3
- Amazon DynamoDB
- Java
- SQL
- NoSQL
- POSIX C
- C++
- Linux
- HTML
- Javascript
- AJAX
- ReactJS
- ReactNative
- Data Structures
- Algorithms
- Operating Systems Concepts
- Android Software Development
- Object-Oriented Analysis and Design
- Agile Software Development Life Cycle
- Project Libre
- Microsoft Office

SOFT SKILLS

- Adapt to changing environment
- Quick Learner
- Strong work ethic
- Quick to respond to issues
- Problem-solver
- Creative and flexible when necessary

CONTACT

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https://github.com/AaribAbdullah

LinkedIn:
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WORK EXPERIENCE

RAYTHEON

Systems Engineer | Jun 2020 – Present
Work with principles of Electronic Warfare with the requirements given to build the right system. From requirements engineering to integration,verification, and validation.

RELEVANT EXPERIENCE

BRAIN WAVE DATA PROCESSING

Technology: Python,Tensorflow,Kerasm,Numpy | Jan 2020 – May 2020
Research Project, working on image classification. Identifying road signs for fast-food chains. Depending on the emotional state of the driver, our system will ask the driver to take a break and go to the nearest identified restaurant.

- Utilizes Python 3 and TensorFlow to process images/video frame to identify restaurants nearby.

REDDIT_CLONE

Technology: Python,Flask,JSON,Sqlite3,Redis,DynamoDB,Foreman,Gunicorn Jan 2020 – May 2020
Created RESTful APIs for posting and voting micro-services, similar to Reddit's operation for posting and voting.

- Designed Entity-Relationship model and relational model,
- Found the data access patterns to create a NoSQL table in DynamoDB for faster queries for posts and comments
- Used Redis to get quick access to voting data regarding a certain post
- Used functional partitioning to aid with efforts to scale horizontally
- Passed JSON data relevant to today's Reddit user

FAKE LANGUAGE PARSER

Technology: Python 3, Microsoft Excel | Nov 2018 – Dec 2018
A Compilers project for fake language. Can analyze syntax and execute fake language.

- Implemented a top-down parser method in Python 3
- Created Parsing Table in Excel and used 'openpyxl' module to read from Excel file
- With 'openpyxl' module, read in the rules, output a dictionary to be used for parsing

CALORIE IMAGE CLASSIFICATION

Technology:Java,XML,Python,Keras,TensorFlow, Android Studio Mar 2019 – May 2019
An Artificial Intelligence Project. Made Android App which can identify the food and output its nutritional values.

- Trained the model using Python for Image Classification.
- Implemented camera, UI event handling, and used the model to classify the food

MYMAJEKS

Technology: C#, Microsoft Visual Studio, Azure Cloud Mar 2019 – May 2019
Messaging Application project which sends messages through cloud between end-users.

- Implemented user status, message output/input, changing message channels with C#
- Create UI using Microsoft Visual Studio's GUI builder.

ALGORITHM ENGINEERING PROJECTS

Technology: C++, Visual Studio, GCC | Mar 2019 – May 2019
Projects aimed to help us understand the concepts of time complexities and to craft algorithms to reduce execution time.

- Implemented Algorithms such as: Greedy, Exhaustive, Hashing, and Dynamic programming
- Calculated their time complexities

WAREHOUSE-WIZARD

Technology: Python 3, PyQT, JSON | Sep 2019 – Dec 2019
Tracks contents of a warehouse. Keeps track of the dimensions and coordinates of each items.

- Implemented item handling by using the existing items' dimensions and coordinates.
- Used JSON for data persistence

EDUCATION

CALIFORNIA STATE UNIVERSITY - FULLERTON

Computer Science B.S. | 2016 – 2020

- GPA 3.5
- Dean's List