Bowen Yang

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Programming Languages

Java, JavaScript, C++, Swift, Objective-C, Python, C#, SQL, Solidity

Frameworks and Tools

React(redux), AngularJS(Angular2), jQuery, Bootstrap, OpenGL, sdl2, Django, Pandas, MySQL, Asp.net MVC, Android SDK, iOS SDK(Coredata, spritkit...), Ethereum Blockchain(Web3.js truffle...)

Work Experience

ConsenSys | Full-stack Ethereum Blockchain Web Developer   **Sept-Dec 2017**

Skills Applied: React(redux), AngularJS, Node.js(express mongoose), Solidity, truffle etc.

LeverJ Crowdsale Project(main project): https://www.leverj.io/ & https://register.leverj.io/

- Created registration form with strict input validation process and background checking mechanism to ensure the eligibility of registers by setting up http calls and smart contract API using Node.js, Web3.js, React(redux) and solidity
- Developed server and datastore which can verify email address and store register information with proper error checking and elaborated feedback with express.js, mongoose and google cloud datastore
- Developing smart contracts to fulfill the implementation of the LeverJ crowdsale which can disburse purchased token to designated buyers within certain period of time with Solidity, Web3.js, truffle,Geth, MetaMask
- Writing unit test for Web Application described above with Javascript, Web3.js and Mocha test framework

Other Responsibilities:

- Developed protocols for Ethereum application infrastructure
- Designed distributed data models
- Refactored LeverJ project to prepare for future refinement

TITUS | C# Developer   **Jan-May 2017**

Skills Applied: C# Asp.net MVC, jQuery, Html, Css, Javascript, Powershell & Visual Studio 2015

- Worked with experienced developers to create classification add-ins for Microsoft-Office softwares(Word, PowerPoint and Excel). Add-ins can provide functionality such as message-classification, alert on sending, autocompletion etc.
- Worked with automation team to create automated test scripts with C#, Ranorex and Powershell scripts
- Adopted various design patterns including decorator pattern, singleton and factory pattern), dependency-injection and event-delegate

Projects

iOS & Android APP (WorkOut Guide)   React Native(redux), Node.js(express.js and mongoose) SQLite & MySQL **2017**

Currently In Progress!

- App can provide guidance and history tracking services to people interested in exercise(like me and some of my friends who are building this app btw :-)). App is also able to provide corresponding diet plan for users through web service
- Created attractive UI and front-end flow with React Native and Redux(set up reducers, action creators, logics, etc…)
- Set up database and server to a basic level which enable storing, requesting and deleting user history and fetching working out and diet guidance from web service
- Currently working on connecting with third-party api to require information like meal calories.

iOS Native APP (Account Book)   Swift, Objective-C, iOS SDK(Cocoa, Coredata, SpriteKit with UIKit) &SQLite   **2017**

- Designed an account book that can keep track of user's balance records and report feedback in multiple forms such as record list and line charts with support of Facebook and Email registration
- Implemented Coredata models with multiple entities to store user information and provide request options
- Data manipulation is processed as BackgroudTask to ensure main queue be responsive to user inputs
- Conformed to Object-Oriented Programming Protocol to make the program adaptable to future improvements

Other Projects:

- Created online resume with React, redux and Node js. Click on link to view:
- Created simple registration page linked to flappy bird with C#. Asp.net MVC for back-end and AngularJS for front-end
- C++ Zombie Game with OpenGl and sdl2 demonstrated programming fundament and ability dealing with graphs
- Currently studying Machine learning using Python(Scikit-learn & Pandas) and taking relevant courses as a guest-student

Education and Achievements

- University of Waterloo B.A.S.c of Computer and Electrical Engineering
- Dean's honor list(top 3 of the program)