Ronald Hong

Software Engineer

SUMMARY

Proactive, results-driven professional with excellent analytical, problem solving skills.

Motivated Team player able to prioritize project activities and deliver on time.

CONTACT

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PROGRAMMING LANGUAGES

HTML ∆ CSS ∆ JAVSCRIPT

PHP ∆ PYTHON ∆ C#

WEB TECHNOLOGIES

Angular.JS, ReactJS, Rxjs, NgRx, JQuery, TypeScript, Bootstrap, Mocha, Chai, Responsive Web Design.

Node.js, MongoDB, PostgresSQL, Sequelize, RESTful APIs, ASP.NET, Web Services, Django.

TOOLS

Visual Studio, VSTS, Git, MS Office

PROFESSIONAL EXPERIENCE

Quorum Business Solutions, April 2018 – Nov 2018

Software Engineer I, Houston, Texas

Project: The Enterprise Volumetric System (EVS)

Description: The Enterprise Volumetric System (EVS) project was sponsored by Pembina Pipeline with the goal of replacing several legacy third party and in-house built Power Builder applications. As a sponsoring client, Pembina influenced the design of measurement and accounting solution alongside Quorum, who also sought to overhaul its legacy PGAS measurement application. With a project goal of delivering the industry's first cloud-based SaaS enterprise volumetric system, it applied domain-driven and event-driven design principles. With an Angular 5+ frontend, NoSQL backend, and a distributed services architecture, the solution was architected for massive scale, resiliency, and data consistency required for enterprise-grade accounting systems. Functionally the system would consolidate measurement transactions through an API for the purpose of validation, calculation, balancing and reporting.

Development Environment: **AngularJS, Reactive Programming RxJS, Typescript, GIT, MongoDB, .NET Core**, Docker, Websockets, RabbitMQ, **VSTS DevOps and Microsoft Azure**.

Roles and Responsibilities

- Involved in design, development, and testing of the application.
- Worked on Angular application from scratch, developed new screens using Angular5+ Framework follow the reactive programming pattern(rxjs).
- Used Agile practices and Test Driven Development techniques to provide reliable, working software.
- Create training documents that teaches developers the best practice to approach specific tasks.

PROJECT

TimeSheets Go
https://ronaldhong.github.io/TimeSheetsGo/

- TimeSheetsGo is a single-page web project that I designed and constructed from scratch that utilizes React.js, a popular Javascript library for building strong user interfaces.

PetImage 2017
https://immense-escarpment-67156.herokuapp.com/

Description: Full-Stack animal rescue application, similar to facebook, registered user can create message box that other users can comment on, if geo-coordinates are included in the message, a marker will appears on the google map that other users can see and interact with.

- Develop overall front-end and back-end struture using Node.js, Express.js, mLab, Mongoose, Mustache.js, JQuery, 3rd party API.
- Set up client to server Http requests for user authentication and data retrieval.
- Designed NoSQL database schema for user data, user acitivity using Mongoose ORM to organize data type, data relationship.
- Development environment: Node.js, Express.js, mLab, Mongoose, Mustache.js, JQuery, Google Map API.

VOLUNTEER EXPERIENCE

Taiwan YES Festival Website (Feb–April/2019)
http://www.taiwanyeshouston.com/

- Design overall layout of the page.
- Maintain and add features to the event website.

EDUCATION

THE IRON YARD — Full-Stack Web Development, Houston, Tx, 2017

THE UNIVERSITY OF TEXAS AT AUSTIN—Computational Biology, Austin, Tx, 2010–2015