Justin Clowney

Software Engineer

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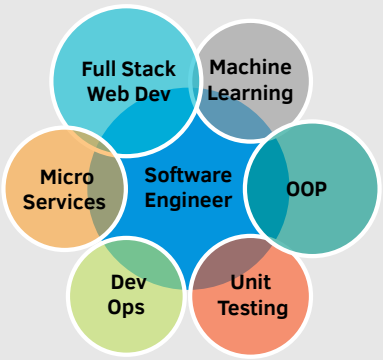
jclowney

Skills

Overview



Languages

LOC ⟶

HTML5 • JS • CSS

Go • SQL • MATLAB

C++ • MongoDB • Python

Tools/Libraries

Front-End
React (Redux), Angular (NgRx), AJAX, SCSS/SASS, Bootstrap, Responsive Design

Back-End
Go (Gin), NodeJS (Express), PostgreSQL, Sequelize, Mongoose, REST, gRPC, Apache2

Other
Git/Github, Docker, LaTeX

Education

Sep 2012-May 2016 — **BSc. Biomedical Engineering** GPA: (3.3/4.0) — Texas A&M University

Experience

Feb 2019 - Present — **Software Engineer** — National Oilwell Varco

- Collaborates in a multinational team to launch and support applications that are used by drilling customers around the globe
- In 3 months developed a dockerized full stack application in an unfamiliar environment which was demonstrated in front of thousands of potential clients at the largest corporate event of the year
- Contributed to re-factoring legacy code and redefining best practices on both the front and back end
- **Tools**: Angular, Go, Docker, Typescript

Oct 2017 - Feb 2019 — **Web Developer** — Decode Digital

- Builds and maintains websites (with and without CMS) for clients.
- Adds new features and designs to existing websites and applications.
- Develops server-side services to transfer data to and from interactive applications.
- Sets up servers and domains in order to deploy websites.
- Creates and maintains databases that store various types of data for use in applications.
- **Tools**: Javascript, Node.js, React, MySQL, PostgreSQL, PHP, Apache2

Sep 2015 - May 2016 — **Smart Intra-Venous System** — Texas A&M University

- Worked in collaboration with Quest Medical Inc. to find a niche in the IV market
- Programmed negative feedback system with a mass flow sensor using LabVIEW and an Arduino board
- **Tools**: LabVIEW, Arduino

Research

2015 — **BSc. Undergraduate Research Assistant** — Texas A&M University

Thesis: Efficacy of Noninvasive Glucose Sensors After Clinical Animal Trials

- Implemented theoretical algorithm in MATLAB for extracting two time-resolved components of a single luminescence signal acquired from sensors
- Created a LabVIEW program for automatically measuring oxygen concentrations in solution using an electrode instrument
- Developed program for characterizing response of glucose sensors to varying continuous glucose concentrations
- **Tools**: MATLAB, LabVIEW, COMSOL

Awards

2018 — **Crystal Award, Bronze ADDY** — Decode Holiday Card

2018 — **Crystal Award** — Team Industrial Website