Alec David

Cleveland, OH
(856) 669-9528
alec.r.david@gmail.com

alecdavid.me
github.com/alec-david

Technical Skills

Languages
- Strong: Java, JavaScript (Node.js, React, Redux, Express.js, ES6), HTML5, CSS (SASS), SQL
- Knowledgeable: C#, Python, Go, jQuery

Technologies
- Git, Ant, Maven, Gradle, Spring Boot, AWS (S3, RDS, EC2), MySQL

Work Experience

Acumen Solutions, *Cleveland, OH*   *June 2016 - Present*
Software Developer II
- Developed full-stack time tracking, correspondence management, and document collaboration software used by over 150,000 government employees
- Architected and developed an internal pricing model used company-wide at Acumen Solutions that allowed consultants to quickly iterate over potential project setups to determine the most cost-effective solution
- Converted old HTML webpages to modern day web apps using Salesforce Lightning, a component based Javascript library
- Led the deployment of code changes between sandboxes and conducted code reviews for junior developers

Brilliant Sole, *Remote*   *August 2016 – January 2018*
Software Developer
- Used React and Redux to create an Electron app that creates a websocket server that receives sensor data and outputs actions to control movement in virtual reality video games
- Developed a cross-platform Xamarin application that uses Bluetooth to transmit and parse data from a pressure and acceleration sensing device

NASA Glenn Research Center, *Cleveland, OH*   *Summer 2015*
Digital Astronaut Project Intern
- Performed kinematic and kinetic analysis, model scaling, and data reduction for motion capture, ground reaction force, and EMG data using BTS Tracking and OpenSim software
- Used Node.js, MATLAB, and Excel to automate repetitive data input, modeling, and simulation processes

Education

Case Western Reserve University, *Cleveland, OH*   *May 2016*
Bachelor of Science in Biomedical Engineering (Minor: Computer Science)
Cumulative GPA: 3.73

Personal Projects

Virtual Shelf (*github.com/alec-david/virtualshelf***)**
- Web application that allows users to maintain a "shelf" of all the books, movies, and TV shows they have watched and easily filter and browse through their items
- Front-end built using React, Redux, and Semantic UI and back-end built using Express.js with a MySQL database
- App is SSL enabled and hosted entirely on AWS using RDS, S3, Elastic Beanstalk, and Cloudfront

Salesforce Ant Automation (*github.com/alec-david/SalesforceAntAutomation*)
- Created tools to automate the management and deployment of Ant packages between Salesforce organizations
- Generate Package: Pulls all the changed Salesforce components from a Google Sheet and organizes all of the components into a single package.xml Ant file that can be easily deployed
- Combine Ant Packages: Combines multiple packages into one comprehensive package, filtering old versions and duplicate values – ideal for creating a complete package to push to production