

# Alec David

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[github.com/alec-david](https://github.com/alec-david)

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## Work Experience

### Acumen Solutions, Cleveland, OH

June 2016 - Present

#### Software Developer

- Worked on a small team to design and develop time tracking and correspondence management software used by employees of the Department of Veterans Affairs
- Developed a company-wide pricing model used to determine how much to charge for potential projects using Salesforce Lightning (component based JavaScript framework)
- Created interactive demos in React that were used in successful sales pitches to several potential clients
- Responsible for deploying code changes between sandboxes and conducting code reviews for team members

### Brilliant Sole, Remote

August 2016 - Present

#### Software Developer

- Developed a cross-platform Xamarin application that uses Bluetooth to connect to and then parse and transmit information from a pressure and acceleration sensing device
- Designed and created an Electron desktop app that creates a websocket server that receives sensor data and outputs movement actions to control virtual reality video games
- Coordinated with founder and developers on mobile and desktop app requirements, UI/UX design, and marketing strategies

### 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 MATLAB, Excel, and Node.js to automate repetitive data input, modeling, and simulation processes

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## Education

### Case Western Reserve University, Cleveland, OH

May 2016

Bachelor of Science in Biomedical Engineering (Biomedical Computing and Analysis)

Minor: Computer Science

Cumulative GPA: 3.73

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## Personal Projects

### Salesforce Ant Automation ([github.com/alec-david/SalesforceAntAutomation](https://github.com/alec-david/SalesforceAntAutomation))

- Created tools to automate the managing and deploying of Salesforce 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 package.xml Ant file that can be easily deployed
- Combine Ant Packages: Combines multiple packages into one comprehensive package, filtering old versions and duplicates. Ideal for creating a final package to push to production

### React Hacker News Clone ([github.com/alec-david/hnReactClone](https://github.com/alec-david/hnReactClone))

- Leveraged the Hacker News Public API on Firebase to retrieve all of the data submitted to Hacker News
- Used React, React-Router, and MobX to recreate all of the sections on Hacker News including Top, New, and Ask submissions, submission comments, and jobs

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## Technical Skills

### Languages

- Strong: Java, JavaScript (React, Redux, Node.js, jQuery), HTML, CSS
- Some experience: C#, Python, SQL, Android, Xamarin

### Tools

- Git, Jira, Maven, Visual Studio, AWS, Agile