# Jacob Anderson

Full Stack Developer

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## About Me

I am fervent towards the advancement in technologies along with strategic problem solving. I am focused and creative while working in a team environment. Outside of programming, I enjoy studying japanese candlestick chart patterns, working out and competition jiu jitsu.

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## Skills

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|---|---|---|---|---|---|
| React | Angular 9+ | Sass | HTML5 | D3 | WebPack |
| React Native | Node | Express | GraphQL | Git | Mocha |
| Redux | PostgreSQL | Javascript | JIRA | CSS3 | Twilio |

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## Experience

- **Asurion**
    - October 2020 - Present

*React  •  Twilio*

Asurion is a leading provider of device insurance, warranty and support services. They build all software systems internal for the experts(call center) / supervisors who manage / support incoming call traffic.
• My team is responsible for all services and UI for the migration from Avaya to Twilio.
• My responsibility from the front end involves working with Twilio Sync, open websocket connections pushing repeated updates of data to the application, while keeping the best performance for the app.
• We receive real time updates for expert changes as well as specific data related to client call queues.
• With my short time working on this app I've been able to improve the user performance by converting the app to a SPA(implemented the no reload per page), effectively handling multiple of 1000's updates per minute through twilio websockets, as well as building in house reusable components for the organization including custom tables, drop downs, and custom React built features.
• My team has emphasis on functional programming with the use of React Hooks. I've been able to simplify and write clean reusable code with these new practices as well.

- **Vaco**
    - November 2019 - October 2020

*Angular 7+ • RxJs  •  Perforce  •  Typescript  •  SurveyJS  •  Swagger*

Front end development for client CoreCivic.
CoreCivic is a company that owns and manages private prisons and detention centers.
• Our team development consists of complying with state regulations for halfway homes.
• We work to find more efficient ways to manage and track clients within a facility.
• We manage all personal client information including medications, location, finances, and legal documents.
• While integrating with SurveyJS we were able to cut development time for building and changing forms.
• Swagger is utilized for API documentation and testing.

    - June 2019 - November 2019

*React  •  Node  •  Express  •  Couchbase • Azure*

Full stack development for client AgConnections.
AgConnections manages legal contracts for corn production between Ethanol Plants, Growers, Sellers, Resellers and 3rd party organizations.
• My team was in charge of converting previous JQuery, Riot and Angular built pages over to React
• We focused on speed enhancements to their Couchbase queries, as well as speed improvements to the backend node server.

• While utilizing Azure Blob Storage I was able to implement the ability for ethanol plants to upload new documents for all contract technical licenses, and the ability for system admins to upload new agreements.

● **Cognizant**     October 2018 - June 2019

*React • Redux • Node • Express • Babel • WebPack • Sass • Chai • Mocha*

Front end development for client Neiman Marcus, an online fashion retail.

• While working in an agile environment my team focuses on development for profile, data, and SEO.

• While integrating with a 3rd party AI system, my feature is able to deliver a unique experience to the customer by tailoring promotions, discounts, and inventory updates in real time. We were able to add 11.4 million dollars to 2019 sales.

● **Freelance Work**     August 2018 - January 2019

*React • Redux • Node • Express • Python • Sass • D3*

A College Football analysis that allows the user to select

2 teams in either present or past to compete against each other. While using statistics for the selected year and team I am able to show the likelihood of one opponent winning over the other. The user is able to visually see a doughnut chart for comparison as well as the wins, losses, ties, head coach and the division of that team.

• Using Node with Express I am able to server side render my React application to increase the speed of initial load time and improve Search Engine Optimization

• D3 is utilized to visually compare and analyze the battling teams.

• Python is the backend server that is used for web scraping. It returns a JSON format of all past and present college teams, every year they competed, as well as specifics for each season.

● **DevMountain**     March 2018 - June 2018

*React • Redux • Node • Express • PostgreSQL*

A comprehensive full stack web development course.

During my time at DevMountain, I built an application for employee management and company scheduling.

Using javascripts geolocation I am able to integrate with Google

Directions, to view the best route to work, and Google Traffic Layer API, for a live traffic feed.

• GitHub Repository: /JacobAndy/personal-project

• Integrating with NodeMailer and Twilio, managers are able to send mass emails to the staff, as well as users get a text and email for any updates that are done to their account.