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Jake Francis

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Employment

Software Engineer   **NRC Health**   **July 2022 - July 2023**

- Balanced a 60-40 split between frontend and backend in an agile environment, creating and enhancing features on a React frontend, Express.js server, and Ruby on Rails backend
- Rapidly went from zero knowledge to production-ready in Ruby and Ruby on Rails.
- Developed a proof-of-concept admin tool that significantly accelerated the creation process of survey summary components, enabling real-time configuration, testing, and previewing using real data, ultimately enhancing productivity and user experience - Typescript, React, Redux, SASS, Express, GraphQL, Ruby, Postgres, Ruby on Rails, Cucumber, Mocha, Agile

UI Developer II (Mid Level)   **United Wholesale Mortgage**   **Nov-2021 - July 2022**

- Increased total frontend test coverage of our application by 30%, and wrote a testing helper function that reduced the average number of lines in our test files by 25%.
- Led the development of new frontend features for a marketing tool for mortgage brokers.
- Wrote a Python based tool for our development team to automatically log us in to test accounts, saving our team members valuable time. - Javascript, VueJS, Vuex, Vue Router, SASS, Git, Agile, Scrum

Teaching Assistant   **Michigan State University - Fullstack Bootcamp**   **Sep-2021 - Mar-2022**

- Assisted in teaching a 6 month, part-time, fullstack web development bootcamp.
- Taught multiple programming concepts within the Javascript web development ecosystem.
- Met with students weekly during office hours in small groups and 1:1 to mentor and cultivate a deeper understanding of concepts being taught in the bootcamp. -HTML, CSS, Javascript, MySQL,GraphQL, MongoDB, Express, React, Redux, Router, Git

Web Developer   **Arcade Apps LLC**   **Jul-2021 - Nov-2021**

- Maintained, and developed features to the frontend, firebase cloud layer, and NodeJS code running on servers, and Raspberry Pi's for clawcrazy.com that allows users to play arcade claw machines through a web browser.
- Adapted to an environment using VueJS and Firebase and quickly began writing impactful features efficiently and effectively.
- Designed, and implemented custom digital control schemes for off the shelf arcade, ticket, and prize machines. - VueJS, Vuex, Vue Router, CSS, NodeJS, Firebase, Linux, Git

Senior Chemistry Technician   **Cook Nuclear Station / AEP**   **Nov-2016 - June-2021**

- Performed 24/7 shift coverage as the Lead Technician responsible for monitoring and maintaining the chemistry of Cook's two units that supply energy to power more than 1.5 million homes.
- During downtime developed a frontend web paging alarm system to alert chemistry technicians of off-normal legally required samples. - HTML CSS Javascript

Technologies and Languages

- Typescript, Javascript, VueJS, React, SASS, Axios, Express, Firebase, MongoDB, Postgres, Cypress, Jest, Vue-Test-Uitls, Ruby, Ruby on Rails, Sinon, Mocha, Webpack
- Linux, Bash, Git, Github, NPM, Adobe Photoshop and Lightroom

Education

Crete, Nebraska   **Doane University -** *B.S. Chemistry*   **2007-2012**