

Experienced Fullstack Engineer with a background in QA testing, consulting with stakeholders and cross-collaborating with teams to develop complex web applications using AWS, React, Ruby on Rails, and .NET.

Technologies and Languages

- **Languages:** CSS, HTML, JavaScript, TypeScript, Ruby, C#, SQL, Apex, Python, EJS
- **Technologies:** Next, React, .NET Core, Ruby on Rails, Vue, Material UI, Tailwind CSS, LESS, SASS, Redux, Node, Express, Bootstrap, GitHub, GitLab, Workato
- **Databases:** PostgreSQL, DynamoDB, CosmosDB, MongoDB
- **Testing Libraries:** Jest, Playwright, Cypress, React Testing Library, Rspec, Selenium, PyTest
- **Cloud:** AWS, Azure, GCP

Work Experience

Caregiver for injured family member

July 2022 - June 2024

Frontend Engineer

Adlumin

Dec 2021 - July 2022

- Reduced latency for HTTP requests to a DynamoDB database by 44% (80ms) by creating a trigger in AWS that utilized DynamoDB Streams.
- Doubled the customer count by designing a unique threat management dashboard using Ruby on Rails and React with TypeScript, which set Adlumin apart from competitors.
- Integrated React with TypeScript into a Ruby on Rails and Golang codebase, ensuring seamless frontend functionality and performance.
- Collaborated closely with UX designers to develop dynamic and accessible user interfaces, including a color palette picker tool, enhancing user experience and engagement.
- Used GitHub Actions to create workflows that accelerated development time and implemented tests that reduced the need for extensive QA testing.
- Wrote custom command-line scripts with Bash and Python for log parsing, data processing, and system monitoring, enhancing troubleshooting and diagnostics capabilities.

Business Systems Engineer

Specialty Food Association

July 2021 - Dec 2021

- Automated and digitized the invoice delivery system using Workato and scripts written in Ruby, SQL, and APEX, reducing invoice delivery time for customers by 98% (from 120 hours).
- Oversaw Salesforce administration tasks, including creating flows, objects, and reports.
- Utilized custom Ruby and Python scripts to validate and retrieve data from 3rd-party RESTful APIs.
- Led insightful meetings during company-wide and IT department briefings, fostering collaboration and alignment between technical and business stakeholders.
- Created custom Webpack configurations to handle React dependencies, hot module replacement, and code splitting, resulting in a smoother user experience.
- Designed and implemented Jenkins CI/CD pipelines to automate the build, test, and deployment processes ensuring reliable code delivery across development, staging, and production environments.

Software Developer

CyberSN

Feb 2021 - July 2021

- Developed web pages in React based on UI/UX designs, optimizing the user interface and enhancing the user engagement rate by 10% (totaling 73%).
- Managed microservices with Amazon EKS and created a new microservice that deployed automatically generated emails using Mailkit and .NET Core.
- Reduced the AWS monthly bill by 12% (\$600) by optimizing AWS Lambda functions and decreasing the number of overall requests made.
- Created new endpoints for the Node backend to handle SSO requests and integrated Google Authentication into the login and signup pages.
- Managed repositories with Git using GitHub, ensuring version control integrity and collaboration.
- Performed unit and end-to-end testing on the React frontend using Cypress and React Testing Library.

Software Developer (contract)

LandrumHR

Sept 2020 - Dec 2020

- Built an employee dashboard using Vue, HTML, CSS, and Vuetify, which accelerated the leave request process by eliminating the need for a third-party submission system.
- Maintained .NET Core APIs written in C#, ensuring high performance and reliability of backend services.
- Constructed APIs with Node.js, and upgraded the Node version from 16 to 17.
- Queried the Azure CosmosDB database to retrieve data on authenticated users.
- Created new columns on the MySQL database and queried it for data on user profiles.

Freelance Software Engineer

Upwork

Jan 2016 - Jan 2020

- Engineered scripts with Node to run Docker containers, allowing clients to easily run their QA environments from any device.
- Revamped local business WordPress sites to improve user experience, enhancing both engagement and satisfaction.
- Developed fullstack, responsive applications for clients using NextJS, Vue, React, and Ruby on Rails.
- Performed rigorous testing on React, Vue, and NextJS applications using Jest, Playwright, Cypress, React Testing Library, and Selenium.
- Created custom backends with Postgres, MySQL, and Node to fit client needs.
- Improved accessibility features for clients by developing custom JavaScript solutions that enabled focus management, added tab navigation, and allowed users to trigger interactive elements via keyboard, enhancing the experience for users with motor impairments.

Education

- **Fullstack Web Development**, Bloom Institute of Technology **2019-2020**
- **High School Diploma**, Boyle County High School **2010-2014**

Open Source

Make-Js-Component

2023

<https://github.com/Giuliano1993/make-js-component>

- Contributed to documentation updates and bug fixes.

MealMatters

2023

<https://github.com/AnupK1234/MealMatters>

- Resolved UI issues and enhanced error handling.