

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

Frontend Engineer

Adlumin

- Led frontend development for a cybersecurity SaaS platform serving enterprise clients, working with a distributed team of 20+ engineers to deliver high-performance, secure monitoring solutions processing 100M daily events.
- Reduced system latency by 65% (from 604ms to 208ms) through adding Node.js server to Ruby on Rails codebase, improving overall application performance.
- Developed models and built controller logic in a Ruby on Rails codebase to support core features of Adlumin's security operations software, including threat management and alert resolution.
- Enhanced frontend performance by integrating React with TypeScript, reducing page load times by 36% (from 195ms to 123ms) through optimized component rendering.
- Optimized backend architecture using AWS tools (DynamoDB, Elasticsearch, Lambda), resulting in a 23% reduction in operational costs (from \$10.2K to \$7.8K monthly).
- Streamlined development workflows by managing Git repositories in CodeCommit and Bitbucket, reducing merge conflicts by 60% (from an average of 5 to 2 per sprint) by implementing a company-wide strategy focused on smaller, more frequent commits and regular branch rebasing.
- Improved multi-tenant architecture by implementing row-level data isolation and optimized ActiveRecord queries, ensuring scalability across client environments.

Business Systems Engineer

Specialty Food Association

- Automated the annual invoice renewal process using Workato, Ruby, and SQL, reducing delivery time by 99.94%—from an average of 2 weeks to just 10 minutes.
- Designed workflows and system integration charts using Vizio, ensuring seamless integration and alignment between systems.
- Oversaw Salesforce administration tasks and collaborated with contractors for Apex scripting, optimizing system functionality, and performance.
- Developed Python and Ruby automation scripts to process 2,000+ records daily, reducing data processing time by 91% (from 1 hour to 5 minutes) and eliminating manual errors.
- Facilitated bi-weekly cross-functional meetings with 30 stakeholders during company-wide and IT briefings, fostering collaboration and alignment between technical and business teams.

Software Developer

CyberSN

- Developed React web pages from Figma UI/UX designs, optimizing the UI with responsive layouts, ARIA attributes for accessibility, and enhancing engagement through performance improvements (lazy loading, code splitting).
- Managed microservices with Kubernetes and Amazon EKS, deploying containerized development and test environments, and optimizing resources through autoscaling and CI/CD pipelines.
- Used AWS CloudWatch logs to diagnose deployment failures, identify misconfigurations, and optimize resource allocation, reducing deployment failures by 11% (from 8 to 5 per year).
- Collaborated with a 5-person agile team in a remote environment using GitHub for version control, enhancing collaboration and streamlining project management.
- Optimized AWS Lambda functions through code refactoring and memory optimization, reducing monthly cloud costs by \$2,000.

Software Developer (contract)

LandrumHR

- Developed a responsive employee dashboard using Vue.js and Vuetify, replacing a third-party leave request system and saving LandrumHR \$2,500 monthly.
- Maintained .NET Core APIs written in C#, ensuring high performance and reliability through optimizations such as efficient database queries, caching strategies, and regular load testing.
- Reduced query time in Azure Cosmos DB by 31% (from 300ms to 206ms) by adding indexes and optimizing data types.
- Developed RESTful APIs using Node.js and Express, processing an average of 200K requests per day.
- Conducted backend testing with PyTest and Unit Test scripts to validate API functionality, database interactions, and business logic, ensuring high-quality software and improved reliability.

Freelance Software Engineer

Upwork

- Redesigned 5+ WordPress business sites by implementing responsive layouts, optimizing images, and minifying CSS and JS files, resulting in an average 63ms reduction in page load times per project (a 35% improvement).
- Built ASP.NET Core applications and RESTful backends using Golang, optimizing system responsiveness and performance, resulting in a 26% improvement in API response times (from 700ms to 514ms).
- Decomposed a monolithic application into microservices using Docker and Kubernetes, reducing average deployment time by 72% (from 11 minutes to 3 minutes) and enhancing fault isolation and system resilience.
- Crafted intuitive GUIs for various applications using Python and Tkinter, ensuring usability and user satisfaction.
- Optimized AWS infrastructure for clients by implementing auto-scaling and resource allocation strategies, reducing average monthly costs by 61% (from \$6,200 to \$3,843).

Education

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| • 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.