

# Lovell McIlwain

Innovative. Collaborative. Adaptable.

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**Languages/Scripts:** Ruby, JavaScript (ES6, CoffeeScript, and JQuery)

**Frameworks/Libraries:** Ruby on Rails, React, Restful APIs, SASS, Liquid, React-Select, Rescue, Shoulda, Pundit, Momentjs, Yup, Capistrano, RSpec, Minitest, Capybara, Cucumber

**AI:** ChatGPT, Claude.ai, CoPilot

**Platforms/Servers:** MacOS, Linux, AWS (S3, EC2, RDS), Github, Gitlab

**Databases:** MySQL, MariaDB, SQLite, Redis, JSON-Server

**Familiarities:** Python

Full-stack engineer with experience in Ruby on Rails, JavaScript (React, ES6, jQuery), and SASS. Proven track record in building scalable SaaS platforms, API development, and optimizing system performance. Experienced in integrating third-party services, leading cross-functional collaboration, and mentoring developers. Passionate about problem-solving, automation, and delivering impactful solutions.

## EXPERIENCE

### **Concept3D Inc.**

**Denver, CO - Remote**

#### **Full Stack Engineer**

**September 2022 – February 2025**

- Ruby on Rails developer – Played a key role in the collaborative development of leading event management SaaS platform Localist, leveraging JavaScript, React, Liquid, and MySQL.
- Implemented key features such as customer-facing templates allowing users to change the look and feel of their platform to match their primary site and integration with Zoom.
- Built administrative interfaces, including CRUD (Create, Read, Update, and Delete) operations, improving administrative workflows and performance by 30%.
- Collaborated closely with Customer Success team to rapidly diagnose and resolve complex technical issues using TRACE (Triage, Reproduce, Analyze, and Correct) method, helping to achieve 90% first-response resolution rate.
- Partnered closely with cross-functional teams, ensuring technical solutions aligned with business objectives and stakeholder expectations using prototypes and MVP testing.

### **Localist (Acquired by Concept3D)**

**Silver Spring, MD**

#### **Full Stack Engineer**

**January 2018 – August 2022**

- Ruby on Rails developer – Engineered features for prominent Localist event management SaaS platform, powered by JavaScript, React, Liquid, and MySQL.
- Co-implemented features such as email campaigns, significantly improving outreach to event attendees by streamlining the workflow of gathering attendees lists and sending emails directly through the system.
- Pivotal in implementing event social promotion module to broadcast event information to social platforms such as Twitter/X and LinkedIn using React and Service Objects created in Ruby on Rails.
- Developed restful APIs used by customers to extract their event data for use in 3<sup>rd</sup> party systems such as WordPress and Drupal.
- Collaborated closely with cross-functional teams to ensure critical objectives, such as customer platform implementation, went smoothly.

**No.Inc**

**Baltimore, MD**

**Application Owner/Full Stack Engineer**

**July 2017 – January 2018**

- Ruby on Rails developer – Taking over responsibility for Write The World SaaS application utilizing JavaScript and AWS.
- Improved application slowness by 40% by upgrading EC2 instance, increasing customer satisfaction.
- Refined collaboration with stakeholders by introducing staging environment, ensuring feature comprehension, and meeting business objectives.
- Refactored and secured Capistrano deployments, creating deployment templates that build during deployment and are version-controlled.
- Partnered with team members on new feature roadmap strategy to increase customer adoption and drive growth.

**Teaching Strategies**

**Bethesda, MD**

**Full Stack Developer**

**March 2016 – June 2017**

- ColdFusion Developer – Responsible for developing flagship Teaching Strategies SaaS application using ColdFusion with a Ruby on Rails backend.
- Implemented feature updates based on road map, such as enhancements to teacher onboarding and student assessment.
- Instrumental in solving front-end regression issues by prototyping, presenting, and implementing Cucumber front-end test framework, which was not utilized previously, reducing the number of hotfixes by 23%.
- Promoted collaboration and knowledge sharing through code reviews and pair programming, which was not utilized previously, encouraging the growth of junior developers.
- Collaborated closely with other teams, such as support staff, quickly resolving customer issues like data submission and login problems.

**Assoc. of Schools and Programs of Public Health (ASPPH)**

**Washington, D.C.**

**Full Stack Development Specialist**

**February 2014 – February 2016**

- Ruby on Rails developer – In charge of developing next-generation SaaS applications utilizing JavaScript and AWS.
- Implemented communications portal based on provided mockups, centralizing sparse communication into a single outlet between staff and students.
- Partnered closely with DevOps to create build processes getting applications deployed to the web.
- Mentored junior developers, encouraging their growth and increasing overall productivity.
- Partnered closely with leadership to implement additional product enhancements such as content approval, ensuring correct content is displayed to constituents.

## **EDUCATION**

**University of Phoenix – B.S. Information Technology – Spring 2012**