

TECHNICAL SKILLS

Languages: JavaScript, Python, HTML/CSS, MongoDB QL, SQL, Ruby, Go

Libraries/Frameworks: React, Next.js, Vue, Redux, Jest, Go Net/HTTP, Express.js, Node.js

Tools & Platforms: Git, Shell, Unix, Docker, SSH, Nginx, Netlify, Twilio, Heroku, AWS

Management + Design: Jira, Trello, Azure DevOps, Sketch, Whimsical

PROFESSIONAL EXPERIENCE

Digital Infuzion

Software Engineer

Remote

Dec 2022–Present

- Develop software applications for clients and partners with a focus on public health and influenza

Competitive Solutions, Inc.

Software Engineer

Remote

April 2021–2022

- **Nano ID:** Requirement: Provide shorter IDs on the user interface than the 26 character MongoDB default Actions: (1) Researched libraries (2) imported nanoid function into the database model to automatically generate ids for new object instances (3) Wrote a Node.js script to add ids to existing entries (4) updated API functions to send new ids (5) modified React components to display new ids on the front end
- **Document Upload:** Requirement: Add ability to attach documents to database entries with information about the document and the option to send emails to selected users Actions: (1) Created React components to provide a user interface (2) Wrote Node.js functions to determine appropriate potential email recipients based on business logic (3) Created a S3 bucket to hold documents and integrated SES to send emails (4) Created a new database collection to store document metadata and a one-to-many relationship between the existing entry and its documents
- **Data Sharing with Partner Organization:** Built Lambda functions and S3 buckets to exchange data

Competitive Solutions, Inc.

Product Manager

Remote

March 2019–2021

- Collaborated with stakeholders and engineers to ensure business goals translated into effective outcomes and useful product features.
- Defined user stories, built sketches, storyboards, mockups, and wireframes to clearly convey ideas.
- Iterated on feedback from users and the engineering team to improve product quality and user experience.

PERSONAL PROJECTS

mikebarberry.com JavaScript, Three.js, HTML/CSS | wishlists.link React/Node.js | gotaskerweb.netlify.app Vue/Go | show-quote-generator.netlify.app JavaScript/Node.js | replit.com/@mbarberry/cat-facts Ruby

EDUCATION

Flatiron School, Full Stack Software Engineering Bootcamp

2021

M.A., UCL, Legal & Political Theory

2016

B.A., Indiana University, Psychology/Neuroscience

2015