Mike Barberry mikebarberry.com

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(971) 977-2927

TECHNICAL SKILLS

Languages: JavaScript, Python3, Golang, HTML/CSS, SQL, MongoDB QL, Java
Libraries/Frameworks: Node.js, Next.js, React.js, Express.js, Vue.js, Puppeteer, Golang Net/HTTP
Tools & Platforms: Git, Shell, AWS, Docker, Nginx, Netlify, Twilio, Strapi, Heroku
Management + Design: Jira, Azure DevOps, Figma, Whimsical, Trello

PROFESSIONAL EXPERIENCE

Digital Infuzion   Remote
Software Engineer   Dec 2022–Present
- **Flu Hub:** *Overview:* Built and deployed a new website for the National Institute of Allergy and Infectious Diseases *Actions:* (1) Engineered entire front end user interface and logic with Next.js and Material UI (2) Created CloudFormation templates for front/back end AWS resources: ECS, RDS, S3, IAM. Performed deployments (3) Wrote front/back end multi-stage Dockerfiles (6) Created Azure CI/CD pipelines (6) Built a Node.js configuration utility program that uses child_process and fs/promises (7) Configured and added content to back end Strapi headless CMS application

Competitive Solutions   Remote
Software Engineer   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 library on the back end and added a function to automatically generate nanoids for new data (3) Wrote a Node.js script to add nanoids to existing data (4) updated Express.js API functions to send IDs with the rest of the payload (5) modified React.js components to display them on the UI
- **Document Upload:** *Requirement:* Add a feature so users can upload documents, provide information about the upload, and optionally notify other qualified users by email with priority level in the subject and their message in the body *Actions:* (1) Created S3 bucket to store documents (2) Built Express.js routes to handle requests from the front end, process, and store data. (3) Built a React.js component to retrieve the file from the user's local machine, store it in memory, fetch a pre-signed AWS S3 upload URL and perform the upload (4) Created React.js components for the rest of the UI (5) Wrote JavaScript logic to filter through users and select qualified potential email recipients (6) Made an email template that accepts JavaScript variables (7) Integrated AWS SES into one of the Express.js route handlers to send emails if that option was selected
- **Data Sharing with Partner Organization:** Built Lambda functions and S3 buckets to exchange data

Project Manager   March 2019–April 2021
- Collaborated with engineers and stakeholders to ensure business goals translated into useful product features and effective outcomes
- Defined user stories, created mockups, wireframes, sketches, and storyboards to aid development.

PERSONAL PROJECTS

mikebarberry.com Next.js | wishlists.link React.js/Node.js | gotaskerweb.netlify.app Vue.js/Golang |
show-quote-generator.netlify.app   JavaScript

EDUCATION

Flatiron School	**Software Engineering Bootcamp** (remote self-paced)	**2020-2021**
University College London	**MA:** Philosophy	2016
Indiana University Bloomington	**BA:** Neuroscience	2015