

Experience

Competitive Solutions, Inc.

Remote

Software Engineer

May 2021 - Nov. 2021

- **Document Upload:** Built React components for front end of document upload feature. Users can select a local file, add metadata about the document, and, optionally, send emails to selected recipients with a message. Pre-signed AWS S3 URLs are generated on the back end Express REST API. Added Mongoose pre middleware function to automatically delete metadata during document deletion.
- **Data Exchange:** Added logic to React components to send data to an S3 bucket on a click of a button. Developed a serverless Lambda function to automatically execute when a business partner sends response data to another S3 bucket to analyse and store.
- **User Experience:** Refactored React components with Ant Design to improve the user interface. Enhanced performance of functions that process form data when page is saved.
- **Configuration/Deployment:** Managed AWS account to use IAM, SES, S3, EC2, Lambda, and other services. Provisioned web servers on EC2 and Heroku to deploy application for end users.

Competitive Solutions, Inc.

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Technical Product Manager

April 2019 - May 2021

- Communicated with clients to determine requirements and created user stories
- Produced wireframes and mockups for new features and enhancements
- Led team meetings to plan sprint cycles and used JIRA and Trello

Technical Skills & Projects

Languages: JavaScript, HTML, CSS, Ruby, SQL, MongoDB QL

Libraries & Frameworks: React, Express, Node.js, Redux, Vue, Sinatra, Ruby on Rails

Tools & Platforms: Git, Linux, Webpack/Babel, Docker, Heroku, Twilio, AWS (EC2, S3, Lambda, IAM, SES)

Design: Sketch, Whimsical

ConnexRX

Client: Coordinated Behavioral Health Services (CBHS)

Custom software for healthcare managers to track and manage client progress through treatment

PeerRX

Client: Competitive Solutions, Inc.

Web app powered by algorithm and real time text messaging to connect hospital patients with qualified peers

Network Engagement Tracker

Client: Ellenville Regional Hospital

Website for hospital administrators and community partners to oversee treatment of patients & track progress

MikeBarberry.com

Client: Personal Project

Website: mikebarberry.com

Personal website featuring a 3D graphic utilizing the WebGL based library, three.js. Highlights above projects

Education

Flatiron School, Software Engineering

Aug. 2020 - Oct. 2021

Peking University 北京大学, MS Government

Nov. 2016 - Aug. 2017

UCL, MA Philosophy

Sept. 2015 - Nov. 2016

Indiana University Bloomington, BA Psychology

Aug. 2011 - May 2015