

TECHNICAL SKILLS

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

Libraries/Frameworks: Node.js, React, Redux, Vue, Laravel, Rails, Express

Tools & Platforms: Git, Linux, Nginx, Twilio, Netlify, Heroku, AWS (Route 53, IAM, SES, S3, EC2, Lambda)

Agile/Design: Jira, Trello, Sketch, Whimsical

PROFESSIONAL EXPERIENCE

Competitive Solutions, Inc.

Astoria, Ore. (Remote)

Software Engineer

Apr 2021 - Present

- **Document Upload:** Built 10 React components and 9 Express API endpoints to create complete document (PDF, Word, Excel) upload feature with integrated business logic. Files are stored in AWS S3 and metadata in MongoDB. Users can create, read, update and delete based on permission levels.
- **Partner Interface:** Engineered infrastructure to exchange, process and store data with partner organization using: React, Express, AWS (S3 & Lambda serverless functions) and MongoDB.
- **Code Integrity:** Refactored 20+ components, 10+ Express REST API endpoints and 5+ independent functions to improve application performance and fix bugs; reduced reported production bugs by 80%.
- **DevOps:** Configured AWS (EC2, S3, SES, Lambda, IAM, CloudFront) and Heroku dynos. Deployed applications and managed ongoing operations.

ConnexRX (cbhscareconnections.com)

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

Competitive Solutions, Inc.

Astoria, Ore. (Remote)

Technical Product Manager

Apr 2019 - Apr 2021

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

Network Engagement Tracker

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

PeerRX (peer-rx-login.com)

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

PERSONAL PROJECTS

In reverse chronological order: [wishlists.link](#) (React/Rails), [mikebarberry.com](#) (JavaScript, Three.js, HTML/CSS), [whispering-retreat-75863.herokuapp.com](#) (Go/Vue), [determined-bartik-aa0fab.netlify.app](#) (Object-oriented JavaScript and Rails), [replit.com/@mbarberry/cat-facts](#) (Object-oriented Ruby), [www.friendslist.link](#) (Vue/Express), [www.marvelapi.link](#) (React/Express), [www.webnav.ninja](#) (HTML/CSS)

EDUCATION

Flatiron School, Fullstack Software Engineering Bootcamp

2021

University College London, MA, Philosophy

2016

Indiana University, BA, Psychology

2015