

# SAMANTHA McELHINNEY. Software Engineer

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## SUMMARY

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Software engineer and former Speech-Language Pathologist with over 9 years' experience in creating customized user-centric solutions, communicating complex ideas effectively, and designing functional systems. Looking to bring agility, practical problem-solving, and collaboration skills to a diverse team.

## SKILLS

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- **Languages/Frameworks:** JavaScript/TypeScript, React, React Native, Node.js, CSS, HTML
- **Testing:** Test-Driven Development (TDD), Cypress (E2E Testing), Mocha & Chai (Unit & Integration Testing)
- **Tools/Workflow:** GitHub, GitHub Projects, Postman, Agile Practices, CI/CD, NPM, RESTful and GraphQL API Consumption
- **Design:** UX/UI, Figma, Responsiveness, Miro, Excalidraw
- **Accessibility:** WAVE/Lighthouse Auditing, WCAG, WAI-ARIA, Semantic HTML, User Experience with a Focus on Accessibility

## SOFTWARE PROJECTS

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### **Drala Mountain Center** | [Repository](#) | Group Project

Technologies: React Native, GraphQL, Apollo Client, GitHub Actions, Cypress, Postman, Figma, GitHub Project Board

- Collaborated with a full-stack team of 6 developers and the director of [Drala Mountain Center](#) in a remote environment to create a mobile application where users can view and register for calendar events, meditate and track their stats, and donate to the organization.
- Led the integration of GraphQL and Apollo Client, streamlining data fetching and manipulation to improve application performance.
- Utilized Figma for wireframing and UI/UX design, supporting communication and collaboration in remote settings.

### **Vagabond Ventures** | [Repository](#) | [Deployable Link](#) | Solo Project

Technologies: JavaScript, Node.js, HTML, CSS, Mocha & Chai, Lighthouse, Figma, Github

- Developed a responsive application for an enterprise management software that utilizes an API to request and send data.
- Written with object-oriented vanilla JavaScript and robust test-driven development.

### **Override Bananas** | [Repository](#) | [Deployable Link](#) | Paired Project

Technologies: React, React Router, Alice Carousel, Cypress, REST API, Figma, Vercel Deployment

- Constructed a responsive application showcasing movie data with search and video preview functionalities.
- Maintainable, scalable code fully tested with Cypress.

## PROFESSIONAL EXPERIENCE

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### **Software Developer** | Freelance | Remote

SEPTEMBER 2023 - PRESENT

- Manage website remodeling, enhancing theme, layout, and features.
- Establish project milestones and deadlines.
- Collaborated with clients to gather requirements and provided regular updates, ensuring alignment with business objectives and user needs.

### **Contract Speech Language Pathologist** | CompHealth | Multiple Locations

JULY 2019 - DECEMBER 2022

- Served as the case manager for 30 patients weekly, coordinating with a multidisciplinary team and adapting to varying home environments, changing schedules, and diverse diagnoses to deliver optimum patient care.
- Completed technical assessment, programming, and treatment for speech-generating devices for patients.
- Implemented multiple standard procedures across various settings, including outpatient, inpatient, and school settings.

### **Acute Care Speech Language Pathologist** | Mercy Medical Center | Des Moines, IA

JANUARY 2015 - JUNE 2019

- Supervised and mentored students and new hires, assisting in developing training programs.
- Used critical thinking to break down problems, evaluate solutions and make decisions for patient's care in a fast-paced environment, seeing over 50 patients a week.
- Educated patients and families on diagnosis and trajectory, treatment plans, and communication strategies.

## EDUCATION

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### **Certificate in Front End Engineering:** Turing School of Software & Design

DECEMBER 2022 - AUGUST 2023

- 1800+ hours of programming experience over a 7-month intensive, ACCET-Accredited Software Development Program

### **Master of Science in Speech Language Pathology:** University of Tennessee

JUNE 2012 - AUGUST 2014

### **Bachelor of Arts in Communicative Sciences & Disorders:** University of Northern Iowa