Amanda Barrafato *Software Engineer*

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RELEVANT SKILLS

JavaScript/ES6 • TypeScript • React frameworks (Next.js, Redux) • Ruby • GraphQL • C++ • HTML5 & CSS3 • Node.js • SQL/PostgreSQL • Rspec • JavaScript Testing Libraries (Jest, Mocha, Chai, Jasmine) • Express.js • Cypress

RELEVANT EXPERIENCE

Codecademy (acquired by Skillsoft)

Senior Software Engineer November 2023 - Present
- Contributed to Codecademy's open-source component library for web and mobile apps, ensuring consistent branding, best practices for accessibility, and a more maintainable codebase.
- Coordinated and led engineering hackathons in Spring 2022, Fall 2022, and Spring 2023.
- Served as technical lead for a migration project to update our frontend monorepo learning environment application from Redux Routing to Next.js and REST API to GraphQL.
- Supported frontend teams by implementing new GraphQL fields to migrate away from legacy REST API endpoints and incorporated federated fields when necessary.

Software Engineer II March 2022 - November 2023
- Worked as technical lead on a project designing and implmenting a new data model to incorporate Codecademy content into the Skillsoft course catalog, with corresponding editing flows and learner-facing landing pages.
- Developed Cypress end-to-end test coverage for CMS.

Software Engineer I September 2021 - March 2022
- Led a project updating content search in Codecademy's internal CMS, enhancing content discoverability and saving 3+ hours per week for curriculum developers.
- Conducted QA sessions for new features.
- Improved content development efficiency by adding error handling and notifications to the CMS.

Software Apprentice July 2021 - September 2021
- Migrated CMS repository from JavaScript and REST API to TypeScript and GraphQL, collaborating with backend engineers to ensure API met frontend needs.
- Led the frontend implementation of a self-service catalog for enterprise users, and supported internal and enterprise CMS frontend needs in collaboration with designers and product engineers.

The Grace Hopper Program at FullStack Academy

Software Engineer Teaching Fellow January 2021 - April 2021
- Mentored over 60+ junior software engineers using the NERD stack, software architecture/design, and debugging strategies.
- Conducted 20+ Technical Interviews for prospective students.
- Served as a product manager for 4+ teams, using agile methodologies as they rapidly designed, developed, tested, and deployed their own web applications.

Self-Employed

Freelance Audio Engineer May 2016 - March 2020
- Assembled sound and video systems for bands, theatre, and fashion week events.
- Collaborated closely with clients to understand their requirements, and developed customized sound systems and technical documentation accordingly.
- Provided expert mixing services as both a Monitor and Front-of-House Engineer, proficiently operating digital and analog consoles.

- Demonstrated quick and effective troubleshooting skills to address any technical issues promptly, ensuring uninterrupted show performances.

Celebrate Brooklyn!
Deck Audio Supervisor May 2017 - September 2017
- Generated input lists and other technical paperwork for over 25 concerts based on artists needs.
- Managed audio crew of five interns and two apprentices on a day-to-day basis for daily stage set-up, soundcheck, show, and changeovers.
- Acted as System Technician, maintained/repaired in-house equipment and system including but not limited to: soldering cables, crimping CAT5E, analyzing speakers frequency response with SMAART.

EDUCATION
Fullstack Academy - The Grace Hopper Program | **Software Engineering & Full Stack Web Development** | Jul 2020 - Dec 2020
New York University, New York, NY | ***Bachelor's of Music*** *in Music Technology* | September 2013 - May 2017