

Madison Combs

Full Stack Software Engineer

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EDUCATION:

Fordham University, Bronx, NY

Completed May 2021

Bachelor of Science in Computer Science

The Grace Hopper Program at Fullstack Academy

August 2022 - October 2022

Software Engineering Certificate

TECHNICAL SKILLS:

Java, Spring Boot Framework, AWS, Kubernetes, Docker, Hibernate, PostgreSQL, JavaScript, C#, React, Redux, Node, Express, Sequelize, HTML, CSS, SQL, Git, GitHub, GitLab, Mockito, JUnit, Jasmine, Karma, Figma

EXPERIENCE:

Flexcar, Backend Software Engineer I

January 2023 – August 2023, Boston, MA

- Design a robust data model optimizing image processing and project execution with strategic architecture.
- Managed end-to-end integration of third-party webhooks, seamlessly incorporating image storage and automating uploads to AWS S3.
- Initiated a robust cron job system for image reupload, addressing third-party inconsistencies.
- Played a vital role in migrating to Flexcar microservices, ensuring uninterrupted functionality through strategic feature flag implementation and comprehensive unit test coverage.
- Utilized Docker, Kubernetes, and DataDog to lead efficient deployments and comprehensive monitoring.
- Mentored a co-op, providing guidance on onboarding, service ownership, and deployment practices.

Selective Insurance, Information Technology Trainee

January 2022 – June 2022, Glastonbury, CT

- Increased test coverage by developing test cases for Angular unit testing using tools Karma and Jasmine.
- Contributed to requirement analysis and refinement conversations to estimate appropriate timelines for projects based on complexity and conditions in an Agile environment.
- Assisted in onboarding new hires by setting up their development environment, demonstrating how to run locally, and giving an overview of the code base for the quoting system.

Selective Insurance, Software Engineer Intern

May 2020 – January 2022, Glastonbury, CT

- Created a SQL script generator tool using C# and SQL to automate creating multiple SQL statements by applying the information entered in the GUI.
- Participated in job rotations of various departments of the insurance industry, including Business Systems Unit, IT, Strategic Business Unit, Claims, and Marketing.

Clarity Software Solutions, Inc. Software Engineer Intern

May 2019 – January 2020, Madison, CT

- Identified systemic problems in the code using SonarQube to provide revisions to the code, target security hotspots, and prevent undefined behavior from occurring.
- Focused specifically on preventing SQL injection by tracing the origin of variables being concatenated in SQL queries, which ensured they were not potential threats.

TECHNICAL PROJECTS:

[Keepsake](#) | Full Stack Software Engineer

- Spearheaded and engineered Keepsake, a social media application that houses media reviews and recommendations of books, movies, and shows.
- Led all components' UX/UI and front-end design, creating responsive interfaces for mobile and desktop devices that incorporate animation to enhance user experience.
- Technologies: Javascript, React V6, React-Redux, Node, Bootstrap, Express, Sequelize.

[Boba Shoppe E-commerce](#) | Full Stack Software Engineer

- Developed an e-commerce site that enables customers to purchase items from a Tea database, with user experience tailored to admin and login status.
- Personally responsible for building back-end REST API that manages products and customer orders.

[Tower of Hanoi](#) | Solo Developer

- Created a front-end game based on the mathematical puzzle, Tower of Hanoi, using logic to ensure the moves made by the player abide by the rules and determine if the puzzle has been successfully completed.
- Technologies: HTML, CSS, Bootstrap, JavaScript, JQuery.