

# Luz Angelique Madrazo

## Software Developer

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## Work experience

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### Fusion Medical Staffing

October 2022 - April 2024

#### Software Developer

- Contributed to feature development for Fusion Marketplace, a leading staffing recruitment platform, focusing on streamlining job search, application processes, and profile creation to enhance user experience and empower healthcare professionals.
- Developed administrative tools for internal and partner use within Fusion Marketplace, optimizing operations for administrators and staffing agencies.
- Contributed to the construction of an I-9 Dashboard, facilitating internal user engagement and streamlining the job application and screening process.
- Engineered a reusable component UI library based on Fusion's design system, utilizing NextJS, React, TypeScript, Tailwind CSS, and Storybook to foster consistency, efficiency, and optimal user experience.
- Participated in ensuring seamless functionality throughout the product development life cycle, conducting API testing with Swagger and unit testing with RTL and Jest to maintain robust and reliable code.
- Collaborated with cross-functional teams including software engineers, QA engineers, UI/UX designers, business analysts, product owners, and delivery managers in an agile environment.

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### HCA Healthcare (HealthTrust PG)

December 2021 - June 2022

#### Associate SDET (Software Development Engineer in Test)

- Ensured quality of product and detected bugs/defects of project deliverables prior to reaching the end user via happy path, functional, and negative manual testing of use cases.
- Designed and implemented test scenarios to validate reliability and code coverage of integrations/interfaces developed for clients.
- Investigate issues encountered from failed tests or bugs and communicate them with the data integration engineers within the team.
- Contribute ideas and perspective to solve problems.

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### NASHVILLE SOFTWARE SCHOOL (NSS)

May 2021 - November 2021

#### Full-Stack Software Developer

Six months (full-time) of rigorous software development training program with engaging, lab-based, and collaborative learning in JavaScript, HTML5, CSS3, JSON server, and ReactJS, C#/.NET, MVC, and SQL Server.

- Implemented fundamentals of object-oriented programming through group and individual projects
- Applied principles of entity relationship diagrams (ERDs) to visualize data structures and wireframing for planning projects in an Agile environment
- Collaborated on several projects in a team and remote setting to build web applications from scratch utilizing the aforementioned tech stack with CSS/Bulma framework for design, external APIs, JSON local server database with flat data structure, and SQL Server to attain CRUD functionality

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### MONROE CARELL JR VANDERBILT CHILDREN'S HOSPITAL

November 2019 - February 2021

#### Triage Pediatric Neurosurgery RN

- Utilize critical thinking skills and knowledge to triage patient calls/clinical concerns for providers to address
- Provide instructions to families for managing post-operative care and urgent complications of neurosurgery to monitor
- Worked with eStar (Epic Electronic Health Record System) for documentation of nursing care and triage

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## Projects

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### Panda-Aja! | Front-End Capstone | ReactJS

Panda-Aja! is a flashcard-based, Korean language learning application that features an innovative approach to learning Korean with meaningful and user-friendly interface.

- Integrates various forms of user interaction by implementing translation, speech, and text features for speech synthesis and recognition functionalities.
- Designed as a CRUD app and is supported by a flat data structure utilizing JSON Server local database along with being styled with Bulma framework and CSS3.

- Built with ReactJS and supported by Web Speech API, Microsoft Translator Text external API, SweetAlert2 npm, react-animations, and node fetch proxy server.
- <https://github.com/luzm321/panda-aja>

**Marvel Alliance | Back-End Capstone | Full-Stack React + Web API (C#/.NET)**

**Marvel Alliance is a turn-based strategy card game that utilizes Marvel characters with generated power stats to simulate an engaging, fun, and interactive card game experience.**

- Users can perform CRUD operations on a deck and card along with playing a game against a simple AI (NPC) that attacks the opponent when it's their turn. Each defending character card's health points are decremented based on the attacking character's calculated power points. The player that has no cards left in their hand loses the game.
- Designed as a Full-Stack app that implements the Marvel Comics API and SuperHero Search API along with being styled with Bulma/Material UI framework and CSS3.
- Built with ASP.NET Core Web API, SQL Server, ReactJS, and Firebase Auth, along with SweetAlert2 npm, and react-animations npm.
- <https://github.com/luzm321/marvel-alliance>

**Technical Skills**

**FRONT-END**

- NEXT.js/ReactJS
- TypeScript/JavaScript
- Storybook
- Tailwind CSS/CSS3/Material UI/Styled Components/Bootstrap CSS Frameworks
- HTML5
- Builder.io Visual Headless CMS
- JSON Server Database
- Tanstack/React Query
- Git/Github/Azure DevOps

**BACK-END**

- C#/.NET
- MVC
- SQL Server

**SOFTWARE TESTING**

- Postman and Swagger API Testing tools
- React Testing Library and Jest for unit and integration testing

**Education**

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| <b>Nashville Software School (NSS)</b><br><b>Software Development Certification</b><br>Full-Stack Web Development Bootcamp | <b>May 17, 2021 - November 05, 2021</b> |
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| <b>The University of Texas Rio Grande Valley</b><br><b>Bachelor of Science in Nursing</b><br>Summa Cum Laude | <b>August 2016 - May 2018</b> |
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| <b>The University of Texas Pan-American</b><br><b>Bachelor of Science in Biology (Minor in Psychology)</b><br>Summa Cum Laude | <b>August 2011 - December 2014</b> |
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