

# Marcy Claire S. Villegas

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## WORK EXPERIENCE

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### MVI Ventures

Software Engineer | June 2023 - Present

- Developed 30% of the modules for a B2B logistics system's API using FastAPI, Python and Redis, while implementing unit testing with Pytest to ensure robustness and reliability.
- Collaborated with cross-functional teams to design and implement dynamic and interactive front-end features for a B2B logistics system using NextJS, Ant Design, and Tailwind CSS, contributing to an intuitive user experience.
- Implemented Celery, an asynchronous task management tool, to optimize the back-end performance of an e-commerce system, resulting in significantly reduced response times.
- Developed and utilized Shopify webhooks for the business logic of the e-commerce system using Shopify API, Google Pub/Sub, FastAPI, and Python.

### Symph

Developer Intern | January 2023 - April 2023

- Actively participated in daily stand-up meetings, sprint planning, and retrospective meetings.
- Developed comprehensive unit test cases to validate the functionality of various software features using Jest and React Testing Library.
- Engaged in critical thinking events such as hackathons resulting in successful outcomes including winning the hackathon and continuing the presented solution as a feature for an existing web application.

## ACHIEVEMENTS

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### Dean's Lister (College)

- From the 2nd semester of 2nd year to 2nd semester of 4th year

### CHED Partial Scholar

- Maintained a GPA above 2.75 throughout college to meet eligibility criteria for the scholarship program.

### ACEZ Hackathon Winner

- Led the team on the planning and conceptualizing the team's web application.
- Utilized no-code tools such as Webflow, Zapier, OpenAI and Notion.

### Workshop Instructor at WitCON2023

- Conducted a workshop related on the basic fundamentals of Javascript at UP Diliman during the conference of WiTech, a non-profit tech-related organization.

## PROJECTS

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### Digital Menu and Business Card Template Web App

Tech Stack: Typescript, React, React Router, TailwindCSS, Vite

- A web app where developers and food business owners can easily update the menu.
- Created components from scratch with the use of TailwindCSS.
- Used best practices in the development using Typescript and React.

## I-LABS: Room Reservation, Equipment Borrowing and Open Laboratory Monitoring System for UST CICS

Tech Stack: NextJS, Reactstrap, Express, MongoDB, SocketIO, Node Cron

- Demonstrated proficiency in both front-end and back-end development, and successfully led the development of system.
- Analyzed the data flow of the system and constructed the Entity Relationship Diagram (ERD).
- Developed and implemented real-time data, real-time notification, and scheduled automation features.

## Inventory Management System for Panlin Merchandising

Tech Stack: HTML, Bootstrap, Vanilla Javascript, Express, MongoDB

- Constructed the Entity Relationship Diagram (ERD) to provide a logical structure of the database.
- Developed REST APIs which provides different functionalities and request methods using Express.
- Designed and implemented the front-end of the system using HTML, Bootstrap and Javascript.

## SKILLS

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**Programming Languages:** JavaScript, Typescript, Python

**Front End:** ReactJS, AntDesign, TailwindCSS, Bootstrap

**Back End and Database:** FastAPI, NextJS, Express, MySQL, Redis, MongoDB

**Testing and other tools:** Jest, React Testing Library, Pytest

## EDUCATION

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**University of Santo Tomas**

BS Information Systems (2019 - 2023)