


# Michael Delacruz Abad Jr

 Portfolio: [junmike.dev](https://junmike.dev)

 GitHub: [github.com/MichaelDAbadJr](https://github.com/MichaelDAbadJr)

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Portfolio



## Professional Summary

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**Full Stack Software Engineer** with expertise in React and Node.js. Skilled in integrating both front-end and back-end components to build scalable, high-performance web applications. Proficient in leveraging cloud technologies to enhance functionality and scalability, with experience deploying applications using modern DevOps practices such as CI/CD, Docker, and platforms like Heroku, Netlify, and Google Cloud. Committed to delivering high-quality solutions while continuously advancing technical skills.

## Tech Stack

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**Front-End:** React, Redux, HTML, CSS, JavaScript

**Back-End:** Node.js, Express, Django, MongoDB, PostgreSQL, RESTful APIs, Postman

**DevOps:** CI/CD, Docker, Heroku, Netlify, Google Cloud

**Programming Languages:** JavaScript, Python, Java, C++

**CS Classes:** Programming I & II, Data Structures and Algorithms, Application Programming, Linux, Systems Programming, Analysis of Algorithms, Machine Learning, Data Science

## Projects

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### Picture Place Sharing App

A picture-sharing platform enabling authenticated users to share images. Built with a React frontend (Deployed on Netlify) and Node.js/Express backend (Deployed on Google App Engine). Integrated MongoDB, Google Cloud Storage, and Google Maps API. Enabled CRUD operations, secure user authentication, secure password hashing using bcrypt and JWT tokens.

**Live Site:** [junmike-picture-place.netlify.app](https://junmike-picture-place.netlify.app)

**GitHub Repository:** <https://github.com/MichaelDAbadJr/PicturePlaceApp>

**Tech Stack:** React, Node, Express, MongoDB, Netlify, Google App Engine, Google Cloud Storage, JWT, bcrypt, Google Maps API

### Food Order App

Created a full-stack food ordering app with React and Node.js. Features dynamic shopping cart, menu browsing, and order management. Deployed on Netlify and Heroku.

**Live Site:** [junmike-food-order.netlify.app](https://junmike-food-order.netlify.app)

**GitHub Repository:** <https://github.com/MichaelDAbadJr/FoodOrderApp>

**Tech Stack:** React, CSS, Node, Express, RESTful API, deployed on Netlify and Heroku

## **Tic-Tac-Toe App**

Developed a feature-rich Tic-Tac-Toe game using React for a seamless and interactive user experience. The application supports two-player gameplay, real-time move tracking, and dynamic updates with state management. It includes a responsive interface for gameplay, player name customization, and game result handling.

**Live Site:** [junmike-tictactoe.netlify.app](https://junmike-tictactoe.netlify.app)

**GitHub Repository:** <https://github.com/MichaelDAbadJr/TicTacToe>

**Tech Stack:** React, CSS, HTML, JavaScript, Netlify

## **Developer's Portfolio**

Designed a portfolio to showcase personal projects using React. Integrated Web3Forms API for secure contact.

**Live Site:** [junmike.dev](https://junmike.dev)

**GitHub Repository:** <https://github.com/MichaelDAbadJr/Portfolio>

**Tech Stack:** React, CSS, HTML, JavaScript, Netlify, Web3Forms, react-router-dom

## **Education**

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### **University of Texas San Antonio – San Antonio, TX**

Bachelor of Science in Chemistry, January 2014 - May 2018

### **University of Texas San Antonio – San Antonio, TX**

Bachelor of Science in Computer Science, August 2020 - May 2021

## **Work Experience**

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### **Environmental Chemist – San Antonio Water System - San Antonio, TX**

July 2020 - Present

- Operated and troubleshoot laboratory instruments and software, showcasing technical problem-solving skills.
- Managed data entry and reporting into Laboratory Information Management Systems (LIMS), reflecting data handling and systems management.
- Conducted routine statistical analysis and generated data visualizations, demonstrating strong analytical abilities.
- Managed inventory and ordered supplies, highlighting organizational and project management skills.