


Michael Delacruz Abad Jr

 Portfolio: junmike.dev

 GitHub: github.com/MichaelDAbadJr

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Professional Summary

Results-oriented Full Stack Software Engineer with expertise in React and Node/Express, adept at rapidly mastering new technologies and integrating front-end and back-end components to create scalable, high-performance web applications. Experienced in leveraging cloud technologies to enhance functionality and scalability, and proficient in deploying applications using modern DevOps practices including CI/CD, Docker, and platforms like Heroku, Netlify, and Google Cloud. Committed to delivering high-quality results while continuously improving technical skills.

Tech Stack

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, Computer Organization

Projects

Picture Place Sharing App

A picture sharing app enabling authenticated users to share images of their favorite places. Built with a React front-end (deployed on Netlify) and a Node.js/Express back-end (deployed on Google App Engine), utilizing MongoDB for data storage and RESTful APIs for client-server communication. Supports CRUD operations, secure authentication, and integrates Google Cloud Storage and Google Maps API. Environment variables are managed securely.

Live Site: 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

A feature-rich food ordering platform demonstrating full-stack development expertise. Features include a React front-end (deployed on Netlify) and a Node.js/Express back-end (deployed on Heroku), with functionalities for browsing menus, placing orders, and managing delivery preferences. Includes an interactive shopping cart for tracking items, prices, and quantities, and a checkout process with a submission form. Utilizes RESTful APIs for client-server communication and secure environment management practices.

Live Site: 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. Built with a modular component-based approach, the app showcases expertise in React for crafting intuitive and engaging user interfaces.

Live Site: junmike-tictactoe.netlify.app

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

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

Developer's Portfolio

A dynamic portfolio showcasing personal and professional projects. Built with React.js and modern web technologies, this portfolio highlights skills in front-end development, includes detailed project descriptions, interactive demos, and links to live applications and code repositories. Features a responsive contact form utilizing Web3Forms API for secure form data handling designed to facilitate communication between the user and the developer.

Live Site: junmike.dev

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

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

Education

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

San Antonio Water System - San Antonio, TX

Environmental Chemist

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.

Southern Petroleum Laboratories Inc - Pleasanton, TX

Petroleum Chemist

July 2019 - June 2020

- Generated Certificate of Analysis reports, demonstrating precision and attention to detail.
- Performed quality control measures, including instrument calibration and maintenance, indicating strong adherence to standards.
- Logged sample data and results into Laboratory Information Management Systems (LIMS), showing experience with data management systems.