

Michael Delacruz Abad Jr

Portfolio: junmike.dev

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Professional Summary

Skilled Software Engineer with over four years of experience building user-facing features and responsive interfaces using React, JavaScript, HTML, and CSS. I specialize in developing modern, component-based applications and delivering optimized, scalable solutions. With strong expertise in UI/UX design, API integration, and cloud platforms like Google Cloud, I create intuitive, high-performance web experiences. I write clean, maintainable code and follow best practices in performance, security, and usability. Passionate about the future of technology, and eager to learn and grow in an ever evolving technological world.

Tech Stack

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

Back-End: Node, Express, Django, MongoDB, PostgreSQL, MySQL, RESTful APIs, Python, Postman

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

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

Application Developer – San Antonio Water System

San Antonio, TX | July 2020 – Present

- Designed and developed a web-based application to store and manage training records for lab personnel, using SQL databases for efficient data storage and retrieval.
- Built an application to log, analyze, and visualize pollution data collected from various lab instruments and used SQL for real-time data storage, supporting trend analysis and compliance reporting.
- Administered an internal LIMS used for tracking sample data, managing lab workflows, and automating report generation. Responsible for assigning user roles and permissions, ensuring secure access to sensitive data and maintaining compatibility with existing laboratory instruments. Optimized workflows by managing system settings and ensuring seamless data entry with intuitive UI components.
- Created application to track lab equipment and chemical inventories.
- Designed a dashboard for tracking environmental metrics like air and water quality. Integrated various data sources into one centralized system and used SQL queries to generate real-time reports and visualizations for regulatory compliance.

System Administration - Southern Petroleum Laboratories Inc.

Pleasanton, Texas | July 2019 – July 2020

- Administered user accounts and permissions via Active Directory, ensuring secure and efficient access to company resources.
- Managed the deployment of updates and new software across company devices using tools like SCCM or simple command-line scripts.
- Diagnosed and resolved common network issues such as IP conflicts, DNS errors, and connectivity problems, ensuring minimal downtime.
- Monitored scheduled backups using basic tools like Windows Server Backup, ensuring data integrity and quick recovery in case of failure.
- Provided end-user training on basic security practices, including phishing awareness and password management to strengthen the company's security posture.

Projects

Picture Place Sharing App

A picture-sharing platform enabling authenticated users to share images. Built with a React frontend and Node.js/Express backend RESTful API. 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

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

Tech Stack: React, Node, Express, MongoDB, Netlify, Google App Engine, Google Cloud Storage, JWT

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

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

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

Investment Calculator

Investment calculator built using modern web technologies. Helps users estimate the future value of investments based on initial investment, contributions, expected return rates, and duration of the investment.

Live Site: junmike-investment-calc.netlify.app

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

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