

Jefferson Cruz

Full Stack Developer

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Work Experience

Computer Programmer II Maritime Industry Authority (MARINA)

February 2023 - Present
Port Area, Manila City

- Maintaining the Human Resources Information Management System which involves identifying and resolving any existing bugs or technical issues within the system to ensure the continuous operation of Human Resources Management and Development Division.
- Backing up and securing the organization's databases regularly.
- Developed an online portal for Shipyards Regulation Service that designed to centralize the essential information such as events, advisories, memorandums and etc. This innovative platform ensures that regional and satellite offices of the MARINA are consistently well informed.
- Created an online public assistance desk system for the Standards of Training, Certification and Watchkeeping for Seafarers Office that centralized the concerns and inquiries of the seafarers.
- Developed an online web-based document request system for the Human Resources Management and Development Division that facilitates the process of requesting documents to approval and releasing.
- Designed a mobile-responsive assets maintenance tracker system for the Information and Communication Technology Management Division that manages records of maintenance for IT-related technologies such as computers, laptops, printers and more.
- Created a ticketing system for the Information and Communication Technology Management Division that aimed to revamping and resolving existing issues concerning IT-related assistance of MARINA employees.
- Developed an inventory management system for the Administrative Service Division enhancing and modernizing the old paper-based document record system by implementing a more efficient, precise and reliable for all necessary transactions within the organization.
- Recreated, redesigned and restructured the Overseas Shipping Service Information Management System to be able to fully utilized by the office of Overseas Shipping Service of MARINA. This overhaul enhanced the efficiency of processes related to company and vessel registration, certification, document approval and document release.
- Developed and integrates APIs to enhance the backend services of the organization's existing systems.
- Conducted end-users trainings and seminars for the deployment of systems.
- Prepared systems documentations and user manuals.

Full Stack Developer Avinnovz Technologies Inc.

May 2021 - April 2023
Katipunan Avenue, Quezon City

- Lead in both frontend and backend development of the Case Management System for the Department of Environment and Natural Resources (DENR) Main Office. My primarily contributions are implementing the UI/UX designs, developing the content management module of the cases and revamping the procedures for case appointments.

- Contributed to the backend development of the Timekeeping Management System for the Senate of the Philippines. Developed and implemented APIs to integrate the data captured from the organization's facial recognition machines into the system.
- Aided in the recreation of the Real Property Tax Administration and Collection System for the Municipal of San Mateo, Rizal. Focused on the development of the collection module, particularly on tax computations, streamlining payment processes, printing of receipts and producing auto generated reports.
- Supported in both frontend and backend development of Integrated Compliance, Inspection, Monitoring and Enforcement System for the Department of Environment and Natural Resources (DENR) Central Luzon Office. Developed the module of establishments' compliance as well as the auto generated reports for corresponding documents.
- Contributed to the backend development of Solid Waste Management System - Geographical Information System for the Department of Environment and Natural Resources (DENR) Central Luzon Office. Helped in developing the content management modules of solid wastes and implemented the APIs to integrate the data submitted from the system to ArcGIS.
- Delivered system prototype presentations to clients.
- Facilitated end-users trainings and seminars for the deployment of systems.
- Prepared systems documentations and user manuals.
- Helped in managing the AWS services and GitHub repositories.

Computer Programmer I (College Internship)

February 2017 - May 2017

Philippine National Police Headquarters

Camp Crame, Quezon City

- Helped in both frontend and backend development of Firearms Renewal System at Information Technology Management Service.

Projects

BudgetSync: An Online Personalized Financial Monitoring and Planning Application

December 2023 - Present

A responsive online web-based application designed for tracking of income and daily, weekly, monthly or yearly expenses. This application also ensures setting of financial goals or targets and to generate comprehensive analytics reports.

Business Financials and Events Management System

September 2023 - December 2023

A multi-purpose system that designed to revolutionize and streamline the business operations of Digital Fusion Production by enhancing efficiency and productivity across various aspects of the company. It encompasses a range of functionalities and features aimed at providing a modernized platform for seamless workflow management, resource allocation, and data analysis.

Skills

Languages

- PHP
- CodeIgniter Framework
- Laravel Framework
- AngularJS Framework
- Java
- Python
- C#

Database Management

- MySQL
- MS SQL Server
- PostgreSQL
- SQLite
- MongoDB
- Google Firebase

Web Development

- HTML
- CSS
- JavaScript
- jQuery
- REST API
- Node.js
- AJAX

Others

- GitHub
- Git
- Adobe Photoshop
- Adobe Illustrator

Educational Background

Bachelor of Science in Computer Science

August 2017 - September 2022

Major in Software Engineering

CIIT College of Arts and Technology

Kamuning, Quezon City

- **Project Manager at CIIT Syntax** (Student Organization)
- **App-Galing 2019 - CIITzen Choice Award** (App-Galing 2019)

Advanced Diploma in Gaming and Animation

June 2015 - May 2017

Technology

Informatics College Diliman

Diliman, Quezon City