

JOCKEY FERNANDEZ

FULL-STACK WEB DEVELOPER

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PROFESSIONAL SUMMARY

Creative and adaptable Full-Stack Web Developer with practical expertise utilizing **OpenLayers** and **GeoServer** to create web-based mapping solutions. Competent in creating interactive features for real estate map display, **integrating WMS/WFS services**, and accessing and processing geographic data. adept at converting intricate spatial data into interfaces that are simple to use and intuitive. Enthusiastic about providing top-notch digital solutions, optimizing performance, and developing scalable architecture. Strong team player who approaches technical problems methodically and with a proactive attitude.

TECHNICAL SKILLS

- **Front-end:** Vue.js, Nuxt.js, Bootstrap, Vuetify, CSS, JavaScript (ES6+), jQuery
 - **Back-end:** Laravel, Sails.js, NestJS, Node.js, Flask, Python
 - **Databases:** PostgreSQL, MySQL, Redis
 - **Tools & Platforms:** OpenLayers, GeoServer, CKAN, Power BI, Nginx, Git, Ubuntu
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PROFESSIONAL EXPERIENCE

MAPX | Full-Stack Developer (2021 - Present)

- Manage spatial and non-spatial data, ensuring accurate data processing and integrity.
- Work with OpenLayers and GeoServer to build interactive map features, visualize real property maps, and handle WMS/WFS services.
 - Implement dynamic spatial querying and geospatial analysis to support land and building classification workflows.
- Automate the classification and valuation of real property based on proximity to road access, industries, and buildings, following national standards for location classification (e.g., 1st-class vs 2nd-class development zones).
- Develop new features and enhancements for MAPX to improve functionality and user experience.

- Create and maintain APIs for mobile web development, facilitating seamless integrations.
- Optimize queries for better database performance and system efficiency.
- Implement security best practices to protect geospatial data and system integrity.
- Automate workflows to streamline data processing and improve efficiency.
- Collaborate with GIS experts to enhance spatial data visualization and analysis.
- Conduct performance monitoring and troubleshooting to maintain system reliability.
- **Technologies:** Vue.js, Sails.js, OpenLayers, GeoServer, PostgreSQL, Redis, Nginx, Ubuntu, Python
- **Reference:** [MAPX](#)

Project QAS – Local Disaster Risk Reduction and Management

- Rebuilt a national disaster risk management project using modern technologies.
- Developed Quality Assessment Tools (QAT) to benchmark barangay preparedness.
- **Technologies:** Vue.js, Nuxt.js, NestJS, Vuex, OpenLayers, PostgreSQL, PWA, Vuetify, Nginx, Ubuntu
- **Reference:** [Alert and Ready](#)

Caraga Center for Geo-Informatics | Programmer / Data Manager (2021)

- Developed version 2 of MInDSEt (Mindanao Integrated Data Sharing Environment).
- Enhanced online geospatial data-sharing infrastructure for Caraga State University.
- **Technologies:** CKAN, Python, PostgreSQL
- **Reference:** [MInDSEt](#)

Local Government Unit – Bislig City | Junior Programmer (2019 - 2021)

- Developed the Human Resource Management Information System (HRMIS).
 - Conducted technical training and provided system support.
 - Ensured the HRMIS met client requirements with accurate data management.
 - **Technologies:** Python, Flask, MySQL, Bootstrap, CSS, Selenium, Git
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EDUCATION

Bachelor of Science in Information Technology

AMA Computer Learning Center (2015 - 2019)

SOCIAL PROFILES

- **Portfolio:** jockeey.github.io/github-portfolio
 - **LinkedIn:** linkedin.com/in/jockey-fernandez-483794217
 - **GitHub:** github.com/JOCKEY
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OBJECTIVE

Seeking innovative projects and partnerships where I can leverage my full-stack development expertise. I am committed to delivering top-tier solutions while continuously learning and adapting to new technologies.
