Marc Paul RJ I. Espregante

Software Engineer | Full-Stack & Mobile Developer

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PROFILE

Computer Science graduate and freelance developer who builds web, mobile, and machine learning products with Flutter, React, Django, Node.js, and TensorFlow. I led the property management work on RentDito during my internship, built a booking platform for Biliran's creative industries as my thesis, and made an offline banana classifier that runs entirely on a phone. I enjoy taking a feature from the database all the way to the screen, and I am looking for an entry-level software engineering role.

EXPERIENCE

Freelance Full-Stack Developer 2026 – Present

Upwork, Remote

- Take on web and mobile development projects for clients, handling the work from planning through delivery.

Web Developer Intern 2025

RentDito, Rental Operations Platform

React 19 · TypeScript · Express · MongoDB github.com/reyxdz/RentDito

A role-based rental platform for listings, visits, contracts, tenancies, billing, and maintenance across four user roles.

- Led development of the property management side of the platform, covering properties, units, public listings, utility management, and document administration.
- Built the three portals of the frontend (Hub, User, and Admin), each with its own layout, permission-based routing, and navigation generated from the user's role.
- Set up shared building blocks for the team, including layouts, an API service layer, custom React hooks, and domain models, so that new features followed the same structure.
- Built the public listing pages on the backend APIs, with search, filtering, and unit detail pages.
- Added unit management that tracks occupancy for both room and bedspace rentals, with a slot view that shows which spaces are taken.
- Created landlord dashboards for tracking utilities and organizing documents, making everyday rental tasks easier to manage.

PROJECTS

Biliran Booking App 2025

Thesis Project and Team Lead, built for Capitol Naval

Flutter · Django · PostgreSQL · Cloudinary github.com/userMarcPaul/creative_booking

A mobile marketplace where clients discover, book, contract, and pay Biliran's creative professionals.

- Led the development team from early planning through to the finished app.
- Designed the PostgreSQL database (20+ related tables) and the REST API, with JWT login and role-based access for 4 types of users.
- Built 20+ mobile screens in Flutter, including dashboards, search, profiles, booking flows, and reports, using a set of 10 to 20 reusable components.
- Wrote the Django backend for booking logic, contracts, payments, and Cloudinary image uploads.
- Added a content-based recommendation feature that suggests services based on each user's preferences.

Bananalyze Mobile and Machine Learning

Offline Banana Variety and Ripeness Classifier

Flutter · TensorFlow · TensorFlow Lite · Python bananalyze-elites.vercel.app

An Android app that names a banana's variety and ripeness from one photo, even with no signal.

- Recognizes six Philippine varieties (Saba, Cardaba, Cavendish, Señorita, Latundan, and Lakatan) and three ripeness stages: unripe, ripe, and overripe.
- Trained the model in Python with TensorFlow and runs it on the phone with TensorFlow Lite for offline scans.
- Built the Flutter app around a simple point-and-scan flow that anyone can use without training.

WeaboTalk Internship Training

Social Platform for Anime Fans

Ruby on Rails · PostgreSQL · Hotwire · Tailwind CSS weabo-talk.onrender.com

A community app for anime fans, built during my college internship training.

- Built posts with image uploads, threaded comments, emoji reactions, and user follows.
- Added real-time notifications with Hotwire so users see new activity without refreshing the page.
- Styled the interface with Tailwind CSS and deployed the app to Render.

ECB Eats 2024

Recipe Sharing Website, Solo Class Project

JavaScript · Node.js · Supabase · PostgreSQL ecb-eats.onrender.com

A recipe site I built on my own as a course project, where users browse and submit recipes.

- Wrote my own session-based authentication instead of relying on a third-party auth service.
- Built a moderation queue that reviews user submissions before they go public, plus recipe reviews.
- Added database-backed rate limiting to protect the site from spam and abuse.

ACATIRE, Academic Title Recommender Concept and UI Design

Browser Tool for Students

HTML5 · CSS3 · JavaScript github.com/reyxdz/Academic-Title-Recommender

A web tool that suggests thesis, capstone, and research titles for students across ten degree programs. My part was the concept and the full interface design.

EDUCATION

Bachelor of Science in Computer Science 2022 – 2026

Biliran Province State University, Naval, Biliran

TECHNICAL SKILLS

Languages	Python, Dart, TypeScript, JavaScript, Java, SQL, Ruby
Frontend	React, Flutter, Riverpod, Material UI, Tailwind CSS, HTML, CSS
Backend	Django, Django REST Framework, FastAPI, Node.js, Express, Ruby on Rails
Machine Learning	TensorFlow, TensorFlow Lite, scikit-learn, NumPy, Pillow, Matplotlib
Databases	PostgreSQL, MongoDB, MySQL, SQLite, Supabase, Firebase
Tools	Git, GitHub, Docker, Render, Vercel, Cloudinary, Vite, pytest, Figma

AWARDS, HONORS, AND LEADERSHIP

ICT Diagnostic Examination (Written), DICT Region VIII 2025

Eastern Visayas Coding Olympics Season 2, 5th of 18 Schools, PSITE Region VIII 2024

Philippine Startup Challenge, Regional Qualifier, DICT 2024

National Programming Challenge, Qualifier, CodeChum 2024

Tech Trivia Competition, Champion, BiPSU Computer Science Society 2024

SYNDAL Representative, Diocese of Naval 2025