Jose A. Refoyo-Ron

Full Stack Software Developer

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Full Stack Developer with a background in customer service and team leadership, specializing in Python backend development. Experienced in designing RESTful APIs and full-stack applications using Flask, React, SQL, and modern web technologies. Known for delivering scalable, user-focused solutions and collaborating effectively in remote teams. Fluent in English and Spanish, bringing strong communication and problem-solving skills to every project.

Skills

Languages: Python, JavaScript, HTML, CSS
Frameworks/Libraries: React, Flask, SQLAlchemy, Marshmallow, Swagger
Databases: SQL, MySQL
Tools/DevOps: Git, GitHub, CI/CD pipeline, Postman, Figma, Render, Netlify
Other: OOP, Agile methodologies, Unit Testing,
Certifications: Coding Temple – Full Stack Software Engineer

Projects

My Mechanic Shop API | GitHub, Live-site:
Tech Stack: Python, Flask, SQLAlchemy, Marshmallow, MySQL, Swagger

- Engineered JWT based authentication system with role-based access control(RBAC) decorators and Flask-Limiter rate limiting, implementing secure token management for multi-user access across customer and mechanic user roles with password hashing and session validation.
- Designed complex many-to-many database relationships using SQLAlchemy ORM with association tables for mechanic-ticket assignment, implementing advanced querying, pagination and dynamic inventory allocation with full referential integrity and cascade operations.
- Built production ready CI/CD pipeline with GitHub Actions featuring automated unit testing with SQLite, multi-environment database configurations(MySQL development, SQLite testing), and automated deployment to Render cloud platform with managed database integration.
- Modularized using blueprint pattern for scalable microservice design, implementing Marshmallow schema validation, Flask Caching optimization, and comprehensive Swagger/OpenAPI documentation supporting 20+ RESTful endpoints with interactive testing capabilities.

E-Commerce REST API | GitHub:
Tech Stack: Python, Flask, SQLAlchemy, Marshmallow, MySQL

- Developed a comprehensive RESTful e-commerce platform with Flask handling product catalog management, order processing workflow, and customer lifecycle operations, implementing atomic transaction logic for cart modifications and inventory updates with MySQL database integration and environment based configuration management.
- Implemented sophisticated order-product association system using SQLAlchemy's secondary table pattern with dynamic product-to-order linking, enabling real-time order modification through dedicated endpoints for adding/removing products while maintaining data consistency and preventing duplicate associations.
- Created advanced Marshmallow serialization framework with nested resource output formatting, custom field validation constraints(price range, status enumerations, email verification), and circular reference prevention for complex object graphs, ensuring robust API response with comprehensive error messaging.

Defeat The Dragon| GitHub:
Tech Stack: Python
- Implemented class inheritance and polymorphism by designing a robust base character system with specialized subclasses, utilizing constructor chaining and polymorphic behavior through shared interface methods to demonstrate object-oriented programming principles.
- Developed complex state management with temporal effects by building sophisticated buff/debuff systems using cooldown timers, temporary stat modifications with restoration mechanisms, and multi-turn status effects with automatic decrementation logic.
- Built modular configuration-driven design by separating game balance data into external configuration files, implementing package-based code organization with clear separation of concerns, and utilizing modular architecture for maintainable, scalable development following DRY principles.

Experience

Food Service Assistant | Northwell Phelps Hospital | Sleepy Hollow, NY
July 2024 – Present
- Delivered over 200 daily patient and staff meals, consistently meeting stringent dietary standards and hospital hygiene protocols.
- Trained and mentored new hires, reducing onboarding time by 20% and improving overall team efficiency.
- Implemented process improvements in meal preparation and delivery workflows, increasing accuracy and efficiency by 15%
- Enhanced communication skills by coordinating closely with dietitians, kitchen staff, and management to ensure patient dietary needs were accurately met

Software Engineering Apprentice | Coding Temple | Remote
July 2024 – August 2025
- Developed diverse projects ranging from front-end interfaces backend RESTful APIs using and full stack applications, effectively demonstrating comprehensive full-stack capabilities.
- Designed and implemented secure authentication and authorization mechanisms, including JWT token management, significantly enhancing application security.
- Collaborated remotely with agile teams to manage and deliver software solutions efficiently, consistently meeting or exceeding project deadlines
- Participated in peer reviews and team-based problem-solving sessions, contributing to higher code standards, reduced debugging times, and stronger communication skills.

Seafood Assistant Manager | ShopRite | Cherry Hill, NJ
March 2021 – July 2023
- Managed daily inventory of over 100 seafood products, achieving 97% inventory accuracy through meticulous tracking and regular audits.
- Trained new hires on product handling and customer service techniques, improving team collaboration and reducing customer complaints by 25%.
- Provided detailed product research and information to customers, enhancing consumer trust and increasing repeat business by approximately 20%.
- Cross-supported deli and kitchen departments during staffing shortages, effectively maintaining service standards and strengthening interdepartmental teamwork and communication.

Education
Coding Temple, Certificate - Software Engineering