CARL ANDREI H. DEL ROSARIO

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EXPERIENCE

Junior Full Stack Developer   **April 2025 – December 2025**
Shinka Studios
- Transitioned from Intern to full-time Developer in one month due to rapid onboarding and deliveries.
- Implemented and maintained full-stack features for Keystone Appraisal platform using Next.js and Go (Echo), optimizing data flow between the UI and database.
- Refactored the company React extension to scrape property data from Keystone appraisal sites (Manitoba, Sabre), automating manual data entry.
- Maintained high output by resolving ~20 tickets weekly, consistently meeting daily deadlines for feature requests and bug fixes.

Full Stack Developer Intern   **March 2025 – April 2025**
Shinka Studios
- Contributed to the development of both frontend and backend components of Framehire and Probuild, including MySQL database integration, JWT-based authentication, and overall authentication workflows.
- Built and tested RESTful APIs using Go, Echo, MySQL, Swagger, and Postman.
- Collaborated with the development team using Git, actively participated in code reviews to ensure code quality.

Freelance Frontend Developer & Designer   **April 2024 - May 2024**
Upwork Freelance
- Debbuged and fixed frontend issues in the codebase.
- Implemented button actions and interactive elements based on design specifications.
- Contributed to the design and development of reusable components.

PROJECTS

Healthcare Recommendation Model | Lead Developer & Researcher   **September 2025 – December 2025**
Thesis Research Project
- Deployed a hybrid recommendation API using Python by combining content-based filtering, Neural Network, and Haversine distance algorithm to find healthcare facilities around Ermita, Manila with the user's needed healthcare services.
- Achieved 80.7% Recall@5 and a Mean Average Precision of 0.65, validating the model's accuracy against synthetic user dataset as pretraining data.
- Optimized system performance to maintain a low mean latency of ~70ms by implementing feature caching, non-blocking background loading.

Lokalista | Lead Full-Stack Developer   **July 2024 – August 2024**
Capstone Project
- Developed a full-stack web-application that allows clients to manage freelancers, tasks, and teams.
- Integrated Paymongo's API for online payments.
- Integrated Mailtrap's API to send and receive emails.
- Managed and implemented a database schema in MySQL using Laravel's Eloquent ORM, Seeding, and Factories.
- Created user manuals, scope planning, work breakdown structure, and project schedules.

TECHNICAL SKILLS

- **Languages & Frameworks:** JavaScript, TypeScript, Go, Python, HTML, CSS, React.js, Next.js
- **Databases:** MySQL, PostgreSQL
- **Tools & Platforms:** Git, GitHub, Postman, Swagger, Docker, Trello, Mailtrap, Paymongo

CERTIFICATIONS

Developing Secure Software (LFD121)   **April 2025**
Blockchain: Understanding Its Uses and Implications (LFS170)   **March 2025**
Business Intelligence Fundamentals   **November 2024**
AWS Cloud Practitioner Essentials   **August 2024**
Enterprise Design Thinking Practitioner from IBM   **March 2023**

EDUCATION

Adamson University   **August 2021 – Present**
BS Computer Science
- Led the development of a Barangay Management System for Barangay 48, Pasay City. Replaced manual record-keeping to help barangay officials efficiently manage and sort senior citizen records.