

Jerico Villaraza

Software Engineer
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Software Engineer with over 3 years of experience in web and mobile development. Skilled in both backend and frontend technologies. Proficient in working within Kanban and Agile environments as a Development SME. Passionate about building efficient, user-friendly, and visually appealing applications.

Technical Skills

Languages: **Swift, Objective C, JavaScript/TypeScript, PHP, Python, Dart**

Frameworks/Libraries: **SwiftUI, UIKit, ReactJS, CodeIgniter, React Native, Flutter, Django, WagtailCMS, Odoo, ExpressJS, JQuery**

Version Control Tools: **GitHub, GitLab**

Other Tools & Technologies: **Tailwind CSS, Firebase, PostgreSQL, MySQL, Google Cloud Platform (GCP), Laravel, Bootstrap, AngularJS, Webpack, Unity, Postman, Docker, Nginx, Linux, PuTTY, macOS, TensorFlow**

Work Experience

Philippine National Bank

iOS Developer - **Contractual | Hybrid**

June 2024 - Present

PNB Digital Banking

- Develop **Credit Card Lock/Unlock** and **Transfer Device via QR** modules, ensuring secure and user-friendly banking interactions.
- Enhanced the **"Pay This Card"** credit card module, improving performance and user experience.
- Delivered key improvements and bug fixes for the **Mobile Account Application, Mobile Account for Foreign** and **In-app Notifications** modules.
- Built and distributed **pre-production** and **test builds** via **Apple Connect**, supporting QA and UAT processes.
- Collaborated closely with backend developers, business analysts, and the UI/UX team to deliver aligned and high-quality features.
- Contributed to the implementation and enhancement of **SSL Pinning** to strengthen app security.
- Participated in **technical interviews** for mid to senior-level iOS developer candidates.
- Involved in the **migration from UIKit to SwiftUI**, supporting the evolution of the app's architecture.

Achieve Without Borders Inc.

Full-stack Developer - **Full-time | Remote**

May 2023 - June 2024 | **1 year 1 month**

Odoo (Python), Docker & Google Cloud Platform (GCP)

- Developed and customized accounting and ERP modules for three clients, including **Dagupan Electric Corporation (Decorp)**, focused on electric utility billing and financial workflows.
- Managed and optimized ERP solutions for **Upson**, the largest retail chain in the Philippines, handling millions of invoices. Significantly improved performance by implementing background processing and queuing systems to efficiently process large-scale data uploads.
- Enhanced the **HRIS system of Unherd (The Human Herd)** by integrating background task processing and scalable queuing mechanisms for managing employee records.
- Utilized **Google Cloud Platform (GCP)** for remote server management and deployment. Interacted with instances using **SSH** and **Putty**, and used **Docker** to containerize and manage Odoo services on GCP infrastructure.
- Spearheaded performance upgrades and full-stack development across all projects, ensuring system scalability, high availability, and maintainability of custom Odoo modules.

Flutter & Firebase

- Develop a cross platform e-commerce app for both android and ios.
- Develop product deals and vouchers to enhance user engagement.
- Architect robust state management solutions for seamless app performance.
- Implement seamless third-party authentications including Google, Facebook, and Apple.
- Enhance homepage UI and elevate user experience through iterative improvements.
- Develop dynamic links for email verification and in-app notifications, facilitating seamless user interactions.

Taters Enterprises, Inc.

Software Developer - **Full-time | Remote**

Feb 2022 – May 2023 | **1 year 3 months**

ReactJS & Codeigniter (PHP)

- Led the frontend and backend migration and revamp from vanilla JavaScript to a single-page application using React JS, enhancing user experience and performance.
- Independently developed the PopClub system from inception, managing product deals and vouchers to drive customer engagement.
- Solely engineered a Catering system from scratch to efficiently handle catering orders, ensuring seamless operations.
- Enhanced the SnackShop platform for online orders, optimizing its functionality and user interface.
- Improved the usability of administration pages, implementing comprehensive features for streamlined management.
- Mentored and supervised interns, providing guidance and support to foster their professional growth.

RightValley

Software Developer - **Intern | Remote**

Feb 2021 - June 2021 | **4 months**

Django (Python) & WagtailCMS

- Sole developer for RuralPress, a dynamic news website built with Django and Wagtail CMS, enabling editors to create regional sub-sites (e.g., Cebu, Caloocan) through modular page structures. Built the platform from scratch under the mentorship of the CEO.
- Collaborated on iJM, another Django + Wagtail-based platform, primarily handling bug fixes and minor feature updates to improve stability and usability.

Flutter

- Provided Flutter bug fixes and minor improvements for Needr, a mobile app project.
- Gained hands-on experience working in a fast-paced startup, engaging with real-world codebases, and learning directly from leadership-level developers.

Education

Technological University of The Philippines - College

San Marcelino St, Ayala Blvd, Ermita, Manila, 1000

Bachelor of Science in Computer Science (4 years)

- **CumLaude**
- Joined hackathons and programming contests

St. Paul University Manila - Senior High School

680 Pedro Gil St, Malate, Manila, 1004 Metro Manila

Technical Vocational (2 years)

- Best in research (Implemented Mobile Alert System)

Raja Soliman Science And Technology High School

HXXC+6W9, Urbiztondo St, Binondo, Manila, Metro Manila

(4 years)