Jerico Villaraza

Software Engineer
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Software Engineer with over 3 years of experience in web and mobile software development. Skilled in both backend and frontend technologies, including **Odoo** (Python), **Django** (Python), **ReactJS**, **ReactNative**, **Flutter**, **CodeIgniter** (PHP) and **ExpressJS** (NodeJS). 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: **Python, JavaScript/TypeScript, Dart, Swift, PHP**
Frameworks/Libraries: **Django, WagtailCMS, Odoo, ReactJS (TypeScript), React Native (TypeScript), JQuery, CodeIgniter, ExpressJS,**
Version Control Tools: **GitHub, GitLab**
Other Tools & Technologies: **PostgreSQL**, **MySQL**, **Google Cloud Platform (GCP), Firebase, Laravel, Tailwind CSS, Bootstrap, AngularJS, Webpack, Unity, Postman, Docker, Nginx, Linux, PuTTY, macOS, TensorFlow**

Work Experience

Philippine National Bank via **WeSupport Inc**
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.

Freelance Projects

SeatMatch - Smart Recipe Food Planner Mobile App with Object Detection `Live`
Flutter and Firebase
Web
Feb 2024 to May 2024 - 3 months
🔗 **Live Site:** https://www.seatmatch.co/

Pure Angel Coffee - Local Business `Archived`
AngularJS, ExpressJS and MongoDB
Web
Sep 2021 to May 2022 - 5 months

Document Scanner - Graduate Thesis `Archived`
Flutter and Firebase
Mobile
Mar 2024 to Jan 2025 - 10 months

Performance Management System - Undergraduate Thesis `Archived`
Django and WagtailCMS
Mobile

Mar 2021 to Feb 2022 - 11 months

Personal Projects

KUBO - Smart Recipe Food Planner Mobile App with Object Detection Archived
Flutter | ReactJS | Firebase | TensorFlow
Web & Mobile

Piggy: Simple Budget Tracker - Track your income, expenses, and budget easily. Live
SwiftUI
Mobile

My Map Diary - Pin places and journal your memories on a map. Live
SwiftUI
Web & Mobile

Do It Now!: Get Things Done. - Stay focused and get things done with a tap. Live
SwiftUI
Web & Mobile

Mingming: Your Daily Habit Cat - Build habits with a cute virtual cat. In Review
SwiftUI
Web & Mobile

Workshop - Find someone quickly that can help your needs. *Archived*
React Native, ExpressJS & MongoDB
Mobile

Hospital Line - Health Assistant with find the nearest hospital around your area with smart direction *Archived*
React Native | ReactJS | ExpressJS | MongoDB | Google API's
Web & Mobile

AR Pilipinas - Augmented Reality Mobile Application *Archived*
Unity
Mobile

Farm Bili - A game that you will have fun farming and help someone need.*Archived*
Unity
Mobile

Celine - Clothing e-commerce app with a sleek shopping experience.*Archived*
ReactJS | ExpressJS | MongoDB
Web

Eve - Voice-powered food ordering system for Windows.*Archived*
C++
Window

La-cucina - Mobile app to explore and save food recipes easily.*Archived*
React Native
Mobile

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)