

DIANA VANESSA S. CASTILLO

Software Engineer • React.js, TypeScript, Full-Stack MERN, React Native

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Software Engineer with production experience at Samsung and Accenture, specializing in React.js and TypeScript and expanding into full-stack MERN and React Native. Currently shipping Gassupop, a mobile habit-tracker in closed beta on Google Play, alongside freelance React and AI-integration work. Ramps up quickly on new stacks and writes code with the next developer in mind.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, C++ Java, Python,

Frontend: React.js, React Native (Expo), Redux, Next.js, Tailwind CSS, PrimeReact

Backend & Data: Node.js, Express.js, REST APIs, MongoDB, Mongoose

AI, Tooling & Practices: OpenAI/Claude API, Claude Code, Git, Agile (Scrum/Kanban), WCAG Accessibility, Performance Optimization

PROFESSIONAL EXPERIENCE

Custom Software Engineering Analyst — Accenture Philippines

May 2025 – Mar 2026

- Built responsive web applications in React.js and TypeScript for enterprise clients, integrating REST APIs and reusable component libraries to standardize UI across product teams.
- Implemented WCAG accessibility patterns and optimized state management to improve usability and reduce regression bugs in production releases.
- Delivered production-ready features on schedule in Agile/Scrum, and integrated AI-assisted tooling into daily workflow to accelerate code review and refactoring.

Software Engineer — Samsung R&D Institute Philippines

August 2022 – April 2024

- Onboarded onto a React-based enterprise codebase and shipped production features within the first month, ahead of the standard ramp window.
- Built reusable, secure UI components aligned with internal engineering standards, and integrated APIs with cross-browser and performance considerations.
- Collaborated with global teams across timezones and led internal knowledge-sharing sessions to improve frontend development workflows.

Independent Software Engineer — EternalHobbyHopper/Diva in Progress

2022 – Present

Freelance & indie development, concurrent with full-time roles

- Continuously building since 2022: side projects, freelance client work, and indie products that fill the periods between and alongside full-time engineering roles.
- Currently shipping Gassupop, a cozy habit-tracker mobile app in closed beta on Google Play Console, with custom gachapon reward loop, rarity system, and offline-first architecture.
- Take on React, Next.js, and AI-integration contracts via Local Businesses/Upwork; expanding into full-stack with a self-directed MERN curriculum (TypeScript, Express, Mongoose, MongoDB Atlas).

SELECTED PROJECTS

Gassupop — Cozy habit-tracker mobile app • React Native (Expo), closed beta on Google Play

- Designed and built solo: tasks-and-quests engine, weighted effort tokens, three-tier gachapon reward machine with rarity-scaled animations, two visual themes, custom sound design, and offline-first storage with no accounts or ads.

The Tiny Council — Cozy decision-making mobile app • React Native (Expo), closed beta on Google Play

- Built solo starring three pixel-art dog mascots based on my real dogs that decide on one answer

G+U Gachapon Quotation System — AI-powered quotation parser • React, TypeScript, Express, OpenAI API, Vercel

- Built end-to-end web app that parses unstructured customer messages into structured quotations using the OpenAI API

AI Brain Dump Task Manager — Full-stack MERN Demo App • TypeScript, Express, MongoDB, OpenAI API

- Converts free-form natural language into structured, actionable tasks; platform for deepening backend skills.

It's Me Apparel PH — Inclusive apparel brand site • Next.js + Tailwind

Creducate — Solana-based credential verification for tamper-proof academic records • Vue.js + Solana Framework

- Published, IEEE TENCON 2022.

EDUCATION & CERTIFICATIONS

B.S. Electronics & Communications Engineering, University of the Philippines Diliman

Cum Laude

PRC Licensed Electronics Engineer • JLPT N5 (Japanese Language Proficiency)