

JUSTIN ANGELO V. VILLACORTA

SYSTEM DEVELOPER

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SUMMARY

System Developer with experience designing and building complete applications end-to-end. Comfortable working across both front-end and back-end to deliver reliable, user-friendly systems from development to deployment.

TECHNICAL SKILLS

- Programming languages:** Javascript, Typescript Python, Dart, Java
- Frameworks:** Flutter, NextJs, ReactJs, NodeJS, ExpressJS, FastAPI, Django
- Database:** Mongodb, Supabase (PostgreSQL), Firebase
- AI tools:** Codex, Kiro, Cursor, IBM BOB, Antigravity Claude, Gemini
- Version Control:** Github
- Deployment platforms:** Render, Vercel, Heroku, AWS
- Tools:** Docker, Postman, Swagger API
- Payment integrations:** Stripe

SEMINARS AND WORKSHOPS

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| System Developer Alliance Workshop | 2026 |
| PHINMA University of Pangasinan, Dagupan City, Pangasinan | |
| <ul style="list-style-type: none">Participated in the Code & Conquer: Understanding Blockchain workshop, focusing on the Sui ecosystem, Move programming language, and smart contract development. | |
| Phinma Upang Tech summit | 2026 |
| PHINMA University of Pangasinan, Dagupan City, Pangasinan | |
| <ul style="list-style-type: none">Participated in CITE tech summit: Advancing The new Era of Agentic Coding, using google antigravity | |
| Google Developer group build with AI | 2026 |
| University of the Cordilleras Baguio City | |
| <ul style="list-style-type: none">Participated in GDG build with ai: Building and Deploying Multi-Agents using ADK and Agent Engine | |

EGOVPH Hackathon

2026

SMX Convention center SM aura Taguig City

- Participated in EGOVPH hackathon to create solutions for a better Philippines

IBM BOB Hackathon

2026

LabLab.ai

- Participated in IBM BOB Hackathon to create Artificial Intelligence based solutions

Zuitt Learning Institute — AWS Fundamentals Elective Course

2026

Zuitt Learning Institute Incorporated

- Completed a 27-hour elective course covering AWS EC2, DynamoDB, S3, Lambda, API Gateway, and serverless application deployment.

Udacity — AWS AI Practitioner Challenge

2026

Udacity (Part of Accenture)

- Earned a verified certificate of completion for the AWS AI Practitioner Challenge, awarded June 26, 2026.

PROJECTS EXPERIENCE

Learner Tracker | React.JS | Node.JS | Express.Js | Typescript | Supabase (client based)

2026

A platform that helps schools digitize and centralize three core aspects of student management: daily attendance tracking, violation monitoring with severity classification, and recognition of positive behavior. Together, these give educators a complete picture of each learner — making it easier to spot patterns, intervene early with at-risk students, and reinforce good conduct. Role-based dashboards surface key trends at a glance, while a dedicated parent portal with real-time notifications keeps families informed and engaged.

PAYROLL PH | Flutter | Supabase (client based)

2026

A production-deployed, cross-platform payroll application built with Flutter and backed by Supabase (PostgreSQL). Fully automates Philippine payroll processing — including SSS, PhilHealth, Pag-IBIG, and withholding tax computations. Features include multi-client/customer management, employee timekeeping, configurable pay rates, one-click PDF paystub generation, real-time dashboards, and Excel/PDF report exports. Includes a companion mobile app for employees to view and download their paystubs. Secured with Supabase Auth, role-based access control, and row-level security policies. Architected using clean architecture with BLoC state management and dependency injection.

Field Inspection Pro | Flutter | NextJS | Typescript | Firebase (client based)

2026

A cross-platform field inspection management system built with Flutter (mobile) and Next.js (web admin portal), powered by Firebase. Features role-based access for five user roles (Admin, Office, Supervisor, Team Leader, Inspector), a multi-stage inspection pipeline with location-based smart assignment, real-time messaging, admin-managed checklist templates, digital signature capture, and granular Firestore security rules. Architected using Clean Architecture with BLoC state management.

QUOTIO | React.JS|Node.JS|Express.Js|Typescript|Mongodb|Stripe (client based) 2025

A cloud-based quotation management platform that enables businesses to create, manage, and send professional service quotes to clients with customizable templates and branded themes. Key features include secure login with Google sign-in and role-based access for admins and users, a client management system, reusable templates for standardized service pricing, a theming system for branded quote documents, a company setup module, a dashboard with business analytics, and subscription billing powered by Stripe.

CRYPHORIA |Flutter|React.js|Django|LLM|Mongodb (UPANG) 2025

A comprehensive accountancy application that leverages cryptocurrency as its core currency. Features automated tax and financial reporting, smart contract auditing capabilities, and seamless wallet integration with MetaMask. The platform incorporates advanced AI through Ollama LLM integration, implementing both RAG (Retrieval-Augmented Generation) and CAG (Cache-Augmented Generation) architectures. Deployed across web, Android, and iOS platforms for maximum accessibility.

Boardmate |React.js|Nodejs|ExpressJs|Mongodb (UPANG) 2025

Boardmate is a web-based platform designed to help boarding house owners efficiently manage tenants, rooms, and payments. Tenants can also access the system to view their room details, payment history, and submit maintenance requests. The system centralizes operations, reduces manual paperwork, and improves communication between admin and tenants.

RaceConnect |Kotlin jetpack compose|PHP|MySql (UPANG) 2025

RaceConnect is a social media platform tailored for motorsports enthusiasts. Users can select their favorite motorsports categories—like open-wheel racing or endurance racing—and personalize their experience. The platform enables users to create, share, and engage with posts from fellow enthusiasts, while featuring a consumer-to-consumer marketplace for trading racing-related gear, collectibles, and accessories, fostering vibrant connections among fans.

TechInfo |Kotlin|Laravel|MySql (UPANG) 2024

TechInfo is an application designed to assist technology innovators in building their own personal computers, ensuring smooth quality as it runs. Troubleshooting solutions come hand in hand with the PC building assistance to address any issues that may arise.

Typeroo |Java| (UPANG) 2024

Typeroo is a word-guessing game where players are presented with a partially obscured word and must guess the complete word within a set time limit. The primary goal is to provide an enjoyable and entertaining experience for players by combining elements of word puzzles, time pressure, and scoring mechanics.

Legendary Motorsport HTML|CSS|JS (UPANG) 2024

Legendary Motorsports, renowned for its exquisite collection of luxury super sports cars and highperformance sports bikes, is committed to elevating the user experience to cement its status as the ultimate destination for discerning automotive enthusiasts. By blending unparalleled craftsmanship with cutting-edge technology, our showroom offers a captivating environment where enthusiasts can immerse themselves in the world of luxury automotive engineering