John Paul Malaca Maceres

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SKILLS

Languages:	Dart, Java, SQL
Libraries & Frameworks:	Flutter, Dart Frog, Spring Boot
Databases:	PostgreSQL, H2
Testing & QA:	Manual testing, Unit testing, Integration testing, End-to-End testing, Debugging & Logging
Tools & Others:	Git, GitHub, Postman, HTTPie, Figma

EXPERIENCE

IT Intern ▪ DepEd Legazpi City Division – OJT   **FEB – JUN 2025**

- Assisted in encoding, organizing, and documenting supply inventory for the Supply Section.
- Led the development of a capstone inventory system, applying real workflow insights, client feedback, and iterative testing to enhance features and document generation, and deployed it by setting up a local server and building a Windows installer.
- Learned the value of teamwork, adaptability, and building systems that meet real-world needs.

PROJECTS

Full-stack Developer (Capstone) ▪ QR Code Inventory Management and Item Tracking System   **MAR 2024 – JUN 2025**

- Sole developer of a full-stack inventory system used for supply tracking, issuance, and reporting.
- Built backend APIs with Dart Frog and PostgreSQL, implementing clean architecture in Flutter for both desktop and mobile apps.
- Performed unit, integration, and end-to-end testing, using print/log-based debugging to isolate issues, verify backend and client communication, and validate complete workflows from item registration to issuance and reporting.
- Handled the full development lifecycle, from system design to local deployment, reducing data inaccuracy, centralized inventory records, and simplify report generation.

FLUTTER (DART) ▪ DART FROG ▪ POSTGRES

Backend Developer (Exploration Project) ▪ Fi.nance Tracking API   **MAR – APR 2025**

- Built a REST API with Node.js, Express, TypeScript, PostgreSQL, and Prisma ORM, implementing JWT authentication, session tracking, and a layered architecture (routes, controllers, middleware, model, types, and utilities).
- Designed a normalized Prisma schema for users, accounts, and transactions, and manually tested endpoints with HTTPie.

NODE.JS ▪ EXPRESS ▪ TS ▪ PRISMA ▪ POSTGRES

Full-stack Developer (Academic Project) ▪ Loan Management System   **MAY – JUL 2023**

- Developed a desktop loan management system using .NET (C#) and MS SQL Server, featuring secure login with database validation, dashboard, CRUD functionality for clients/guarantors/officers, and modules for loan processing and payment tracking, supported by a normalized schema to ensure data accuracy and centralization.
- Conducted manual end-to-end testing, debugging with print logs, and verifying module functionality.

.NET (C#) ▪ MS SQL SERVER

EDUCATION

STI College Legazpi ▪ BS Information Technology   **JUL 2025**