

MARIA THERESA G. DE OCAMPO

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EXPERIENCE

Senior Full Stack Developer

Quasset

📅 Jan 2026 - Present 📍 Makati, Philippines

- Developed a Python pipeline to generate 1000+ synthetic tank inspection reports, enabling scalable Retrieval Augmented Generation (RAG) evaluation with limited access to client data.
- Led Sprint Plannings and Sprint Reviews with Netherlands-based stakeholders.
- Actively participated in project management by creating Work Breakdown Structures (WBS) and managing Azure Boards that implements Agile Scrum practices.
- Led an internal proposal to adopt LLM-assisted tools (e.g., Claude, ChatGPT) to enhance developer productivity, and accelerate technical research and documentation.

Full Stack Developer

Quasset

📅 Sept 2022 - Dec 2025 📍 Makati, Philippines

- Executed a live version upgrade of Azure Database for PostgreSQL Flexible Server from v13 to v17 using logical replication, achieving zero data loss and minimal downtime.
- Wrote and executed SQL migration scripts, seamlessly handling 5GB of critical customer data to integrate new features and meet evolving requirements.
- Contributed to a large-scale Node.js backend built with Clean Architecture, developing decoupled payment modules (PayPal, Mollie) distributed as versioned internal packages through Azure Artifacts.
- Implemented event-driven architecture with Azure Service Bus to isolate core backend logic from third-party integrations (Klaviyo, Trengo, Odoo), configuring retries, DLQs, and idempotent consumers.
- Spearheaded the development of an internal website for cross-departmental use, incorporating role-based authentication via Microsoft Entra ID and NextAuth.
- Authored and maintained 3,000+ unit tests using Jest, aligning with the team's C0/C1/C2 coverage standard.
- Implemented real-time monitoring using Azure Application Insights, and Azure App Service's diagnostics logging by configuring error boundaries.
- Integrated apps with data measures using Google Tag Manager, Facebook Conversions API, Klaviyo, and KnoCommerce for the marketing team.
- Implemented security measures against replay attacks using Google reCAPTCHA's frictionless system with fallback to manual visual challenge if flagged as a potential bot.
- Optimized loading of data by implementing server-side pagination.
- Created React components for complex forms using Headless UI, and React Hook Form. Used several schema validators across projects such as Yup, Zod, and AJV.
- Developed financial tracking tools with TypeScript and AntDesign.

CERTIFICATIONS

AI Engineer Path

📅 Sept 2026 🌐 Scrimba

Azure Developer Associate

📅 Dec 2025 🌐 Microsoft

Azure Fundamentals

📅 June 2024 🌐 Microsoft

LANGUAGES

JavaScript Python PHP

FRONT-END

HTML CSS React Next.js
Tailwind Chakra UI ShadCN
React Hook Form Recoil MobX

BACK-END

Node.js Express Laravel

MICROSOFT AZURE

App Insights App Services
Entra ID Functions Logic Apps
Key Vault Service Bus Storage
PostgreSQL Flexible Server

DEVOPS

Azure DevOps Docker Git

DATABASES

PostgreSQL MySQL

CONTENT MANAGEMENT SYSTEMS (CMS)

Sanity Strapi

- Built web apps with support for internationalized routing using Next.js, storing each language version on separate JSON files.
- Designed wireframes and user flows in Figma while establishing the project's component library.
- Assessed applications by conducting End-to-End Testing, Regression Testing, and Lighthouse Testing.
- Responsible for the iterative production deployment of applications using Docker and Azure Pipelines.
- Created technical designs for multiple projects in direct collaboration with the Chief Technical Officer (CTO).
- Effectively communicated and presented programming technologies to developers of varying expertise levels from the Philippines and Netherlands.
- Documented back-end and database modules with sequence and use-case diagrams.

Web Development Intern

Taktyl Studios

📅 April 2022 - July 2022

📍 Taguig, Philippines

- Migrated Laravel app to full-stack JavaScript solutions.
- Built responsive pages with semantic HTML, and minimal HTTP requests in mind.
- Designed RESTful APIs using Strapi with Amazon S3 integration.
- Developed architectural plans for the database schema with support for white labelling.
- Implemented a reservation module using Object-Oriented Programming, integrated with Nodemailer to send receipts of successful bookings.

PROJECTS

ProStore 🌐

Developed a full-stack Ecommerce platform featuring user authentication, payment flows, and an AI-powered chatbot.

📅 2026



Next.js

Prisma ORM

OpenAI API

Gift Genie 🌐

Built an AI-powered recommendation assistant using the OpenAI Responses API, combining prompt engineering and web search to generate personalized, current gift recommendations based on recipient, budget, location, and constraints. Implemented real-time response streaming to the client using Server-Sent Events.

📅 2026



Node.js

OpenAI API

Film Fusion 🌐

Implemented an AI-powered image generation app using OpenAI's gpt-image-2, with server-side prompt construction, base64 image rendering, and robust handling for long-running generation and API errors.

📅 2026



TypeScript

Node.js

OpenAI API

ECOMMERCE

Shopify

Mollie

PayPal

AI ENGINEERING

Large Language Models (LLM)

OpenAI API

Vercel AI SDK

OpenRouter

RAG

Embeddings

Vector Databases

Tool Calling

Streaming

Context Management

Tokenization

Prompt Engineering

Microsoft Foundry

Azure OpenAI

EDUCATION

B.S. in Information Technology

Polytechnic University of the Philippines

Batch Valedictorian

📅 2018 - 2022

📍 Manila