

GERALD JAMESON COSTALES

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Portfolio: <https://portfolio-gerald.netlify.app/>



CAREER OBJECTIVES

Motivated and detail-oriented Information Technology graduate with hands-on experience in web and application development using **HTML5, CSS3, JavaScript, TypeScript, Angular, and Node.js**. Strong foundation in building responsive user interfaces, integrating APIs, working with cloud databases, and troubleshooting applications. Eager to grow as a Junior Developer and contribute to reliable, scalable, and user-focused software solutions.

EDUCATIONS

Bachelor of Science in Information Technology

2021 - 2026

Our Lady of Fatima University

Accountancy, Business and Management

2019 - 2021

Our Lady of Fatima University Senior
High School

TECHNICAL SKILLS

Front-End Development:

- HTML5,
- CSS3,
- Javascript(ES6+),
- TypeScript,
- Angular

Back-End Development:

- Node.js (REST API's - basic),
- MongoDB Atlas,
- Firebase Realtime Database

Mobile & Other Technologies:

- Android Development (Java, Kotlin)
- XML Layouts,
- Hardware Integration(ESP32, Sensors)

PROJECTS

AquaBite – Automated Smart Feeder with Data Analytics (*Capstone Project*)

Java / Firebase / ESP32 / IoT

- Developed a mobile application to monitor real-time sensor data (pH, temperature, turbidity).
- Integrated **ESP32** for Wi-Fi-based data transmission from hardware sensors.
- Implemented **Firebase Realtime Database** for live data storage and retrieval.
- Displayed analytics and system status through a user-friendly mobile interface.
- Gained experience in **hardware-software integration and troubleshooting**.

Chirpabet – Educational Mobile Application

Kotlin / Android / Text-to-Speech (TTS)

- Built an interactive educational app for children featuring animals and sound recognition.
- Implemented Android **Text-to-Speech (TTS)** and audio playback features.
- Designed a simple and engaging UI focused on usability and accessibility.
- Strengthened skills in mobile UI design, event handling, and user interaction.