

Genesis M. Dumallay

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Education

FEU Institute of Technology

August 2021 – February 2026

BS Computer Science with Specialization in Software Engineering

Manila

- Association for Computing Machinery (ACM), Junior Officer of Logistics Committee [2022 – 2024]

Certifications

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- Information Technology Specialist in Java (2022)
- Information Technology Specialist in Python (2023)
- Cisco Networking Academy: Introduction to Networks (2023)
- Cisco Networking Academy: DevNet Associate (2024)

Experience

Thesis | Project Manager, Technical Lead, and Backend Developer

GatherInManila: Harnessing Online Data for Event Discovery in Manila City

A Machine Learning Powered Event Aggregator and Recommendation Application

- Implemented a content-based event recommender using Min-Max scaling, a weighted preference score, cosine similarity, and K-Nearest Neighbors to rank personalized events.
- Led and managed a development team, overseeing all phases of the software development lifecycle leading to successful project delivery.
- Designed and developed the application's system architecture. Defining system process and logic flow.

Software Engineer Intern | April 20, 2025 – December 14, 2025

GlobalTek BPO Inc.

- Refactored an entire project codebase including frontend and backend, improving codebase readability, separation of concerns, maintainability, website loading speed and performance load.
- Worked with Amazon Web Services (AWS) in maintaining existing projects and developing, automating work tasks, and integrating Agentic AI into new projects.
- Helped assure codebase quality and maintenance for company projects by developing project unit tests. Improving codebase quality, maintenance, and streamlined development flow.
- Worked with development teams using Agile methodologies to ensure efficient and timely delivery of software solutions and project goals planning.

Technical Skills

- **Languages:** Python, Kotlin, C++, Java,
- **Web:** PHP, HTML, JavaScript, Typescript, Next.js, React, Vitest
- **Databases:** SQL, MySQL, MongoDB
- **Tools:** Git, GitHub, Firebase, Amazon Web Services