

# Genesis Dumallay

[gmdumallay@gmail.com](mailto:gmdumallay@gmail.com) | +639777364652 | [LinkedIn](#) | [GitHub](#) | [website](#) | Quezon City, NCR

## SKILLS

---

**Languages:** Python, C++, JavaScript/Typescript

**Cloud & DevOps:** Amazon Web Services (AWS – Lambda, S3, Bedrock, CloudFront), Git, CI/CD

**Backend & Database:** Node.js, Express.js, MongoDB

**Frontend:** React.js, Next.js

**Testing:** Vitest, Playwright

## EXPERIENCE

---

### Software Engineer Intern

April 2025 – December 2025

GlobalTek BPO Inc. (Trajector - Philippine Engineering Team)

*Makati, NCR*

- Improved web application performance by **41%** by executing strategic code refactoring, increasing speed and maintainability
- Engineered an agentic RAG system indexing a **140+** page company handbook using Strands Agents, streamlining policy retrieval via natural language. Reduced fixed AI costs by **99%** (**\$300+/month** to **<\$1**) by converting vector store to a purely on-demand usage model.
- Improved CI/CD workflow and prevent production regressions through automated tests using Vitest and Playwright
- Maximized applicant pool utilization for Talent Acquisition through a serverless automated AI applicant recommender pipeline that automates daily matching applicants to alternative job openings.

## PROJECTS

---

### VA Claims Smart Calculator | AWS (S3, Bedrock, AgentCore via Strands Agents SDK), Python

*Trajector Hackathon Entry*

- Developed a viable proof-of-concept for reducing Veteran Affairs (VA) claims case processing times through an Agentic-based workflow, automating the analysis of clinical medical evidence to identify likely successful claims, and determine their potential increase value and required supporting documents.

### GatherInManila | Python, Flask, Firebase Database

*A Machine Learning Powered Event Recommendation Mobile App*

- Directed a development team through the full Software Development Life Cycle (SDLC), overseeing architecture planning and algorithm design to ensure successful product delivery.
- Designed and built a content-based recommendation system that achieved an **80%** F1-score in predicting user preferences.

## EDUCATION

---

### Bachelor of Science in Computer Science, FEU Institute of Technology

December 2025

**Extracurricular:** Association for Computing Machinery (ACM), Junior Officer of Logistics Committee

2022 – 2024

## CERTIFICATIONS

---

Information Technology Specialist in Python

2023

Cisco Networking Academy: DevNet Associate

2024