

John Matthew Gan

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Skills

Languages	Python, JavaScript, Java, SQL, HTML, CSS, AppScript, Luau
Technologies	Node.js, Express, Next.js, Bootstrap, jQuery, Pandas, Tensorflow, PyTorch, Jupyter
Tools	Amazon Lex, Amazon Lambda, Amazon Bedrock, Git

Work Experience

Pointwest Digital Corporation

Python Developer

June 2024 – present
Quezon City, Metro Manila

- Annotated and evaluated Python code to improve the accuracy of a LLM-based coding assistant
- Made automated data analysis and tracking tools in Google Workspace to monitor task quotas and accuracy
- Built a Lex-based property search chatbot integrated with data retrieval and Lambda functions, improving lead generation by handling open-ended property queries
- Designed and implemented LLM prompt logic and backend for a recruiter-facing app that parses resumes and matches candidates to job profiles, automating screening through pre-defined criteria and format-based assessment

DLSU AdRIC - TE3D House

Backend Developer

September 2023 – December 2023
Manila, Metro Manila

- Created a low-level automatic speech recognition system with a Gunicorn web server with REST API endpoints.
- Resolved and identified chatbot dialog tree issues on DialogFlow CX on Google Cloud.

Projects

LRT/MRT Train Car Calculator

JavaScript, Bootstrap, SVG, LocalStorage, Google Analytics

November 2024 – July 2025

- Built a commuter-facing web app that recommends the most optimal car to board to arrive nearest to the station exit based on station exits and line configurations, reducing exit travel time
- Uses modular client-side logic with form validation, persistent settings via LocalStorage, and dynamic SVG rendering

FilBis Health Chatbot App

JavaScript, Kaldi, Python, FastAPI, Web Audio, Linux

September 2023 – December 2023

- Created and maintained a Gunicorn server with a Kaldi-based ASR system for a multilingual health assessment chatbot. Improved server performance and reliability during testing, resolving deployment issues and ensuring stable API integration

The LaSallian De La Salle Brothers Special Website

HTML, CSS, PHP, JavaScript, Bootstrap, Web Design, Figma, UX

March 2023 – April 2023

- Developed the theming, timeline and image carousel views, and mobile layout optimizations for a static website featuring the mission and history of De La Salle Philippines

Affect regression of tweets from the Philippines using emoji-based labels

Python, Pandas, TensorFlow, PyTorch, CNN, BERT, NLP

September 2022 – August 2023

- Trained CNN and BERT deep learning models to predict sentiment and emotion intensity in tweets using a large dataset automatically annotated with an emoji lexicon that assigns continuous scores across eight emotions and two sentiments

Cobalt Valley Research Facility Roleplay Game

Roblox, Game Design, Luau, Python, UX, Agile, Community Engagement

May 2015 – October 2022

- Helped design and implement core gameplay systems for an open-world sci-fi roleplay game on the Roblox platform, focusing on player interaction and immersion
- Collaborated remotely using Agile practices to deliver features and updates. Established and moderated an active Discord community, incorporating player feedback into iterative game design improvements

Education

De La Salle University - Manila

Bachelor of Science in Computer Science with Specialization in Software Technology

2019 – 2023
Manila, Metro Manila