

Clyde Lawrence M. Borrega

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About Me

AI Automation Specialist and Computer Engineering student at the University of the Philippines Diliman with 7+ years of programming experience. Specialized in designing, building, and deploying AI-powered workflow automations using n8n, Zapier, APIs, CRM platforms, and LLM technologies. Experienced in translating business requirements into production-ready automation systems that streamline operations, automate communications, and improve efficiency. Strong technical problem solver with a high-agency approach and a proven track record of delivering automation solutions independently.

Education

Bachelor of Science in Computer Engineering

University of the Philippines Diliman (UPD) — Quezon City, Metro Manila
Running for Magna Cum Laude
Department of Science and Technology (DOST) Scholar
2022 - Present

Science, Technology, Engineering, and Mathematics

Philippine Science High School - Bicol Region Campus (PSHS-BRC) — Goa, Camarines Sur
With High Honors
DOST Youth Excellence in Science Awardee
2016 – 2022

Skills

- **Technical Skills:** AI Workflow Automation, Business Process Automation, API Integration, CRM Automation, Workflow Design, Machine Learning, Cloud Computing, Software Development, Data Analysis
- **Soft Skills:** Client Communication, Requirements Gathering, Problem Solving, Critical Thinking, Project Ownership, Adaptability, Time Management, Professionalism

Tools & Technologies

- **AI & Automation:** n8n, Zapier, Make, Vapi, Claude, Claude Code, ChatGPT, Apify, OpenAI APIs
- **CRM & Business Systems:** GoHighLevel, HubSpot, Airtable, Monday.com
- **API & Integration:** REST APIs, Webhooks, JSON, Google Apps Script
- **Cloud & DevOps:** AWS, Docker, Kubernetes, Git, Supabase, Render
- **Programming Languages:** Python, JavaScript, Java, C++, Rust, HTML, CSS
- **Machine Learning & Data Science:** PyTorch, Scikit-learn, Hugging Face Transformers, PaddleOCR, Pandas, NumPy, Gradio
- **Development Tools:** GitHub, Visual Studio Code, Elasticsearch, Kibana, Jupyter
- **Applications:** Microsoft Office Suite, Google Workspace, Notion, Canva
- **Operating Systems:** Linux, macOS, Windows

Experience

Freelance Experience

AI & Workflow Automation Specialist

Remote

Freelance

Jun 2024 – Present

- Collaborated directly with clients to gather requirements, identify operational inefficiencies, and design AI-powered automation and agentic workflow solutions tailored to business needs.
- Independently translated ambiguous requirements into production-ready workflows, rapidly building and deploying automation systems using n8n, Zapier, APIs, webhooks, CRM platforms, and cloud services.
- Leveraged Claude Code and AI development tools to accelerate implementation, troubleshoot complex workflow issues, and deliver reliable automation solutions with minimal supervision.
- **Key Projects include:**
 - **AI Outbound Calling Automation:** Built a production-ready outbound calling automation system using n8n, Vapi, webhooks, and GPT. Automated lead dialing, transcript processing, AI classification, and CRM updates while implementing monitoring, execution tracking, crash recovery, and fault-tolerant workflow handling.
 - **AI Content Generation Pipeline:** Developed an automated workflow that transcribes MP3/MP4 files and generates AI-assisted email, blog, and content drafts, significantly reducing content production time.
 - **Airtable-Powered Chatbot:** Developed a chatbot integrated with Airtable databases to provide automated responses and streamline customer interactions.
 - **CRM & Lead Management Automation:** Designed and deployed HubSpot and GoHighLevel workflows for lead qualification, nurturing, client communication, and internal process automation.

College Mathematics Tutor

Quezon City, Metro Manila

Freelance

Oct 2023 – Jun 2024

- Tutored Math 21 concepts to undergraduate students.
- Designed problem sets and guided students through exercises and exam preparation.
- Improved student performance through structured problem-solving sessions.

Internship Experience

Quality Assurance (QA) Intern

Remote

Department of Science and Technology (DOST)

Jun 2025 – Aug 2025

- Designed and executed website test cases to validate functionality prior to deployment.
- Reported and documented bugs while collaborating with developers for issue resolution.
- Improved website reliability and user experience through systematic QA validation.

University & Leadership Experience

Digital Signal Processing (DSP) Lab Affiliate

Quezon City, Metro Manila

UPD EEEL

Aug 2025 – Present

- Conducting capstone research on improving Filipino and Taglish language detection using transformer-based NLP models and custom tokenizers.
- Designed and implemented scalable NLP data pipelines using Elasticsearch and Kibana for automated data ingestion, preprocessing, indexing, and real-time visualization of large Filipino/Taglish datasets.
- Built automated preprocessing and ETL-style workflows for dataset cleaning, normalization, filtering, and linguistic analysis to support downstream model training and evaluation.

Student Assistant

Quezon City, Metro Manila

UPD Electrical and Electronics Engineering Institute (EEEL)

Aug 2024 – Present

- Supported programming courses by developing demos and visualizations for practical computing problems.
- Assisted professors with grading, attendance management, and organization of course materials.
- Guided students in debugging and solving programming-related challenges.

Can Satellite Project Team Head

Quezon City, Metro Manila

UPD EEEl

Jan 2025 – Jun 2025

- Led and collaborated in a 3-member team to design, build, and test a Can Satellite (CanSat) for real-time atmospheric and air quality monitoring.
- Developed embedded data acquisition and telemetry systems on a PIC32 microcontroller for real-time sensor processing and wireless data transmission.
- Integrated multiple environmental sensors and validated telemetry integrity during system testing.

Deputy Executive Secretary

Quezon City, Metro Manila

UP Volleyball Club (UPVC)

Sep 2023 – Aug 2024

- Assisted in documentation, logistics coordination, and organizational record management.
- Coordinated schedules and operational support for organization-wide activities.
- Supported committee heads in planning and execution of club initiatives.

Competitions

Silver Medalist

Taguig City, Metro Manila

GCash AI Week Hackathon and Good Data for Good Workshop

Mar 2025

- Collaborated with a 4-member team to develop an AI-driven FinTech prototype using AWS PartyRock.
- Designed a budget tracking feature integrated with GCash's "Send Money" functionality.
- Implemented a multilingual chatbot (Filipino + English) for customer service automation.
- Automated transaction categorization and budget deduction using AI-based suggestions.

Bronze Medalist

Singapore

Singapore National Olympiad in Informatics (SG NOI)

Mar 2019

- Competed internationally in algorithmic programming and problem-solving competitions.
- Solved advanced computational problems using C++ and Python with emphasis on efficiency and optimization.