



Janzen Christian Aguila

Developer

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I am a dynamic developer with over 3 years of experience, excelling as an AI-enabled Automation Engineer. I implement advanced automation solutions using UiPath and Power Automate to optimize business processes. With a strong background in web development, including API integration and database management, I am adept at enhancing application functionality and efficiency for diverse clients. As a graduate of the University of the Philippines Los Baños with a BS in Computer Science, I combine technical proficiency with a passion for continuous learning and innovation. Outside work, I enjoy music, gaming, and exploring new technologies, balancing professional ambitions with personal interests.

Work Experience



AI-Enabled Automation Engineer

Ernst & Young Global Delivery Services, Inc.

February 2023 to Present (2 years+)

- Implemented automation and AI-powered solutions using UiPath, Power Automate, and OpenAI, achieving operational efficiency and earning Microsoft and UiPath certifications.
- Built full-stack solutions: LeanIX data extraction (NodeJS, GraphQL), enterprise UIs (ReactJS) for TIS National and NGM Group, and a GDPR-compliant anonymization bot (UiPath, GraphQL), improving data handling and compliance.
- Engineered proof-of-concept projects for AI-driven chatbots and data visualization (Kore.AI, Azure Data Factory, Databricks, PowerBI), and contributed to frontend development (ReactJS) and backend integrations (Python).



Associate Developer

GMA New Media, Inc.

November 2021 to January 2023 (1 year, 3 months)

- Developed back-end and front-end modules, integrating third-party logins and payment systems for major clients.
- Customized Odoo framework functionalities to align with specific client and management requirements.
- Collaborated with managers, designers, and testers to refine development workflows, documentation, and code repository maintenance.



Software Developer Intern

Institute of Computer Science, UPLB

June 2019 to July 2019 (1 month)

- Upgraded Mt. Makiling's biodiversity database from CodeIgniter to NodeJS, React, and MySQL, enhancing system performance and user interface.
- Implemented key backend features, including Google login integration, to improve application accessibility and security.
- Worked alongside biological science students and other developers to ensure data integrity, contributing to a published paper on Academia.edu.

Education History



Bachelor of Science in Computer Science
University of the Philippines Los Baños
Class of 2021



High School Diploma
Mater Dei Academy
Class of 2015
Head News Editor - Official Campus Journal

Publications



Updating of Makiling Biodiversity Information System (MakiBIS) and Analysis of Biodiversity Data

Academic paper for the MakiBIS application
Available online at [Academia](#)
2019

Organizations and Affiliations



UP Sentai Ongaku Manga Anime Soshiki (UP SOMA Soshiki)

- Alumni - 2021 to Present
- Publicity Committee Head - 2018 to 2020
- Member - 2018 to 2021



Alliance of Computer Science Students UPLB (ACSS UPLB)

- Alumni - 2021 to Present
- Developer - 2018 to 2021

Skills

<u>Programming Languages</u>	<u>Back-End Development</u>	<u>Automation Tools</u>	<u>Version Control</u>	<u>Frameworks and Libraries</u>	<u>API Tools</u>
<ul style="list-style-type: none"> • C • C# • CSS • HTML • Java • JavaScript • Kotlin • PHP • Python • R • VB.Net • XML 	<ul style="list-style-type: none"> • CodeIgniter • Express.js • Node JS • Next.js 	<ul style="list-style-type: none"> • Microsoft Power Automate • UiPath • UiPath Orchestrator • UiPath Studio 	<ul style="list-style-type: none"> • Git • Gitlab • Github • BitBucket 	<ul style="list-style-type: none"> • Odoo • Phaser 3 	<ul style="list-style-type: none"> • Postman
	<u>Front-End Development</u>		<u>Project Management</u>	<u>APIs and Integrations</u>	<u>Methodologies</u>
		<u>Cloud & DevOps</u>			
	<u>Databases</u>		<u>Operating Systems</u>	<u>Business Intelligence Tools</u>	<u>Graphics Software</u>
	<ul style="list-style-type: none"> • Bootstrap • React JS • MongoDB • MySQL • PostgreSQL • SQL Server 	<ul style="list-style-type: none"> • Amazon AWS • Azure Data Factory • Azure DevOps • Databricks 	<ul style="list-style-type: none"> • JIRA • Confluence • Trello • Linux • Windows • Citrix 	<ul style="list-style-type: none"> • GraphQL • Kore.AI • ChatGPT • Paymongo • PowerBI 	<ul style="list-style-type: none"> • Scrum • Kanban • Adobe Photoshop • Medibang Paint • Adobe After Effects • Adobe Premiere
					<u>Video Editing Software</u>

Projects

Translating and Interpreting Service (TIS) National – Department of Home Affairs (Australia)
 Frontend Development (February 2025 – April 2025)

- Developed and enhanced features for the FTS (Free Translation Service) and TIS Online portals using ReactJS, including a customized OpenSeaDragon/react-pdf viewer with zoom, rotate, drag, select, and multi-filetype handling, reusable containers and components for translation workflows, and seamless integration with backend API endpoints built on .NET.

Newcastle Greater Mutual (NGM) Group Frontend Development (November 2024 – January 2025)

- Developed and implemented frontend solutions for NGM's banking website, addressing UI issues, applying logic updates for user forms, and executing copy changes across the Enquiries and Online Account Opening sections to enhance functionality and user experience.

H&M Sweden Automation Use Case Development (December 2023 – October 2024)

- Developed and deployed UiPath automation processes for report generation, item updates, and GDPR-compliant data cleansing; integrated Centra's GraphQL API and managed Azure DevOps deployment, providing client support during the hyper-care phase.

Documentation Generator Using Python and OpenAI (May 2024 – June 2024)

- Developed a proof of concept for generating solution design documentation for RPA projects at EY's hackathon. Used Python and Streamlit to create an interface that integrates the Azure OpenAI API, enabling the generation of detailed documentation from process descriptions, including text, tables, and diagrams in PNG format.

Advanced Travel Insurance Chatbot using Kore.AI and ChatGPT integration (October 2023 – December 2023)

- Trained on Kore.AI to develop a travel insurance chatbot utilizing ChatGPT for personalized responses; created a PDF-to-text API and collaborated on a demo showcasing the platform's potential to company leadership.

Projects

EY Australia LeanIX Data Extraction and Reporting System (August 2023 – October 2023)

- Engineered the backend of a web application to extract data from a client's LeanIX environment using GraphQL API integrated using NodeJS, produced reports in LaTeX, and collaborated closely with the Australian client to address immediate action items.

Data Engineering Reporting (July 2023 – August 2023)

- Trained on Microsoft Azure, focusing on Azure Data Factory and Databricks, to create a proof of concept; implemented ETL processes, utilized PowerBI for data visualization, and generated comprehensive dashboards showcasing cleaned data and statistics.

Mercury Extract - Pending Timesheet Report Data (May 2023 – August 2023)

- Developed a Power Automate process with a teammate to extract and report employee time log deficiencies to individuals and their supervisors; continuously refined the process based on feedback from the client department, created detailed documentation, and provided ongoing support for future improvements.

EY Philippines Badge Tracking System (March 2023 – May 2023)

- Trained on UiPath to deliver industry-standard automation and a proof of concept for certification readiness; engineered a process to extract and analyze employee compliance data from PowerBI, and collaborated on process improvements and client requirement adjustments.

Ayala Sureseats Theater Booking Application (April 2022 – January 2023)

- Engineered the online payment structure using Paymongo's API; developed and debugged key website features including search, guest login, and seat map control, enhanced UI, and backend API functions, and provided troubleshooting support for the existing Content Management System.

POS System for Meken Food Corporation using Odoo (November 2021 – January 2023)

- Modified and enhanced a point-of-sale system on the Odoo platform to include new functionalities compliant with BIR regulations; collaborated with quality assurance and project management on report generation and debugging, and customized the user interface based on client requests.

TextSimEngine: A text-based game engine for the web (August 2019 – May 2021)

- Developed a web application for a university project that facilitated the creation of text-based games without extensive coding; authored a paper analyzing the project's impact on users with no prior coding experience.

MAKIBIS – Makiling Biodiversity Information System (June 2019 – July 2019)

- Served as a back-end developer for a CodeIgniter web application managing the Makiling biodiversity database; enhanced features including Google login integration, collaborated on front-end design and integration, and worked with biological sciences students to ensure data integrity, culminating in a published paper on Academia.edu.

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Certifications

- Microsoft Certified: Azure AI Fundamentals (AI-900)
- Microsoft Certified: Azure Data Fundamentals (DP-900)
- EY Intelligent Automation - Bronze (2023)
- Microsoft Certified: Power Platform Fundamentals (PL-900)
- UiPath Certified Professional Advanced RPA Developer (UiARD)
- Google IT Support Certificate
- Civil Service Examination Passer-Professional Level
- Civil Service Examination Passer-Sub Professional Level

References

Available upon request