Dan Chavez

Full Stack Engineer and AI Engineer with expertise in Full Stack Applications, Back End Systems, and AI Agents

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Profiles

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Experience

xFusion — **August 2024 - February 2025**
Full Stack AI Engineer — Denver, Colorado, United States
https://www.xfusion.io

Collaborates on the development of AI agents for a leading client, including:

- **Developed a smart inbox for CSMs with Gmail and Slack integration that filters important messages while excluding spam, promotions, social updates, and other non-essential messages. The system includes an AI responder agent (multi-agent) that intelligently identifies if a message requires a draft based on available contexts and knowledgebase using RAG.**
- Enhanced the performance of an AI task management agent that processes customer support communications from Gmail, Slack, and Fireflies, utilizing Python, OpenAI, LangChain, LangGraph, LangSmith, Pydantic, and Node.js and TypeScript with Linear API integration.
- Optimized an AI email responder agent for Gmail, improving response accuracy and efficiency using Python, OpenAI, LangChain, LangGraph, LangSmith, Pydantic, and Node.js and TypeScript.
- Developed a customer onboarding workflow to track activity and proactively contact customers about their progress via their CSM's email through Gmail, using Node.js and TypeScript.
- Developed and deployed AI agents using Serverless architecture on AWS, integrating scalable backend services with Node.js, TypeScript, Python, and AWS Lambda.
- Built and optimized AI workflows using Python, Node.js, and TypeScript, integrating RESTful APIs for production-level model interaction.
- Designed and implemented ETL workflows and data pipelines using AWS services to improve performance and cost efficiency.
- Enhanced AI agent performance through continuous monitoring, testing, and code reviews to ensure reliability and scalability.

Develop Kreativity — **November 2023 - Present**
Co-Founder & Project Lead — Cebu City, Cebu, Philippines
https://developkreativity.com

- Redesigned Lyons Global™'s Learning Management System (LMS) using WordPress, integrating interactive modules, document-based resources, video learning, and a user registration with course access approval system.
- Developed the Lyons Global™ official website using WordPress, implementing a custom theme, post types, and fields to create a modern, user-friendly interface that highlights the company's expertise in digital health solutions.
- Developed Bilis Delivery using Laravel and Flutter, a cross-platform food delivery app with real-time tracking, order management, and delivery status updates for delivery riders, restaurants, and customers.

University of Souther Philippines Foundation — **July 2023 - Present**
Full Stack Developer — Cebu City, Cebu, Philippines
https://usjf.edu.ph

- Developed an all-in-one platform for faculty, students, and guests using CodeIgniter 4 with balance tracking, RFID monitoring, digital ID, chats, and course offerings.
- Developed a queuing management system using Laravel and Vue.js for cashier, registrar, and other offices offering services with a kiosk integration and virtual 3D campus tour.
- **Built an AI Agent for a ChatSDK that can determine the intent, sentiment, is able to respond to queries, and assess the relevancy of the answers with a QA, with Python, OpenAI, and RAG using a GitHub repository as the knowledge base.**
- Configured a PowerEdge R440 server to host an internal Laravel-based document records management system.

MyToolz — **July 2021 - December 2021**
Back End Developer — Bangladesh
https://mytoolz.net

- Refactored a Blogger website theme implementing a client-side JavaScript function to prevent bypass of links from a built-in link generator.

Developed several PHP web tools, including:

- A tool to extract IP Vanish proxy data and validate Stripe API keys.
- Tools to verify proxy servers, check credit card validity, and verify Pureflix accounts.
- Tools to bypass ad link generators such as adf.ly and Linkvertise.
- An email tool to filter by provider and generate emails using the dot trick.
- A tool to check Bitcoin wallet balances.
- Key generators for Malwarebytes, Discord Nitro, HMA VPN, and Express VPN.

Education

University of Southern Philippines Foundation — **August 2022 - Present**
Computer Science — Bachelor of Science
https://usjf.edu.ph

- 7th Placer Cebu Schools Athletic Foundation Inc. (CESAFI) 2024 Computer Quiz Bowl
- College of Computer Studies Southern Technovators President (2024-2025)
- Top 5 Individual Score Ranking Department of Information and Communications Technology (DICT) HACKFORGOV 2: Capture-the-Flag
- College of Computer Studies Southern Technovators President (2023-2024)

Dumalag Central National High School — **October 2020 - July 2020**
Science, Technology, Engineering, and Mathematics (STEM) — High School
91 GPA (With Honors)

- Most Remarkable Technical Applicator
- 3rd Placer Sineliksik
- 3rd Placer GoIT App Development
- Service Awardee (Mutya sang Dumalag, Ginoong Capiz Production Team)

Projects

ThinkOfATitle — **April 2025**
https://thinkofatitle.dnachavez.dev

ThinkOfATitle is an AI-powered tool that helps you generate creative and professional titles for academic papers, dissertations, theses, and research documents. It leverages Google's Gemini 2.0 Flash model to generate compelling titles and brief overviews for academic research papers, theses, and dissertations based on your research topic or field.

Bilis Delivery — **June 2024**
https://app.bilisdelivery.com

Bilis Delivery is a food delivery service providing swift and efficient delivery of food items directly to customers' doorsteps. This project is developed using Laravel and Flutter, offering cross-platform for the delivery riders, restaurants, and customers. The system involves features such as real-time tracking, order management, and delivery status updates.

JavaScript, HTML, CSS, MySQL, Flutter, Dart, Firebase, Laravel, cPanel

SentiAI — **April 2024**
https://github.com/dnachavez/fine-tuning-tinybert-for-sentiment-analysis

Developed as a final requirement for the CS221, Algorithms and Complexity course, during the second year of the BS Computer Science program at the University of Southern Philippines Foundation. The project is designed to analyze and classify text data sentiment into positive, negative, or neutral categories.

Python, TinyBERT, Google Colab, JavaScript, HTML, CSS

Lyons Global™ — **February 2023**
https://lyonsglobal.us

Lyons Global is the official website of Lyons Global™. Developed using WordPress, the site incorporates a custom theme, post types, and fields. Our team at Develop Kreativity redesigned the website to deliver a modern and user-friendly interface, effectively highlighting their expertise and services as a digital health solutions provider.

WordPress

IoT Parking System — **December 2023**
https://github.com/dnachavez/iotparkingsystem

Developed as a final requirement for the IT214 course, IS Innovation and New Technologies, during the second year of the BS Computer Science program at the University of Southern Philippines Foundation, this project aims to innovate the university's parking management system to address the challenges of managing parking spaces. The main interface of the project is constructed using CodeIgniter 4 and incorporates Arduino Uno R4 WiFi hardware.

CodeIgniter, JavaScript, HTML, CSS, MySQL, cPanel, Arduino

Lyons Global™ LMS — **December 2023**
https://lms.lyonsglobal.us

The project involved a redesign of Lyons Global™'s learning management system using WordPress. Our team at Develop Kreativity added support for diverse content delivery methods, including interactive modules, document-based resources, and video learning. Additionally, a user registration and course access approval system was implemented.

WordPress

Philippine Scripts Translator — **November 2023**
https://github.com/dnachavez/philippine-scripts-translator

Philippine Scripts Translator is a tool designed to convert contemporary Filipino texts into ancient Philippine scripts, as recognized in the Unicode charts. This project draws inspiration from jennaeye's Philippine Script Translator and employs Next.js as its front-end framework.

Next.js, Netlify

Google Translation — **August 2023**
https://github.com/dnachavez/nextjs-gtranslation-app

GTranslate is a translation tool that integrates multiple languages using Google Translate. The project employs Next.js as its front-end framework and leverages the Google Translate API from Pawan.Krd for its back-end operations.

Next.js, Netlify, Google Translate API

USPF Buddy — **June 2023**

Developed as a final requirement for the CC122 Intermediate Programming course in the first-year BS Computer Science program at the University of Southern Philippines Foundation, this project leverages OpenAI's GPT-3.5-turbo model, DALL-E image generation, and custom commands to efficiently address a wide array of inquiries, offering users prompt and convenient access to a university-curated knowledgebase.

PHP, JavaScript, HTML, CSS, MySQL, jQuery, cPanel

AuggieGPT — **February 2023**
https://github.com/dnachavez/AuggieGPT

Developed a Streamlit chatbot assistant for the University of Southern Philippines Foundation (USPF) utilizing Python and OpenAI's GPT-3.5-turbo model, designed to understand and address queries specific to the university.

Python, Streamlit

Volunteering

pandesal.dev (formerly Programming Phiippines) — **July 2024 - Present**
Dev-Help Volunteer
https://discord.gg/pandesal-dev

I actively support Filipino developers in an online Discord community. Assist members with programming questions, and provide guidance on coding best practices. And collaborate with moderators to ensure a positive learning space for beginners and experienced developers alike.

GDG Cebu — **July 2024**
Logistics Volunteer for Google I/O Extended Cebu 2024 — Cebu City, Cebu, Philippines
https://gdgcebu.org

I contributed as a volunteer in the Logistics team, playing a key role in the event's success. This experience allowed me to develop valuable organizational and teamwork skills while collaborating with a dedicated team. I take pride in my involvement in bringing the event to fruition.

References

Boi Archievald Ranay
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ICT Manager at University of Southern Philippines Foundation

Dov Kaufmann
dov@golotstoy.com
Co-Founder and CEO at Tolstoy

John Nick Viduya
nick@frameworks.ai
Full Stack AI Engineer at Framework

Technologies & Tools

PHP	**CodeIgniter**	**Python**	**JavaScript**	**TypeScript**
HTML	**CSS**	**MySQL**	**Bootstrap**	**jQuery**
Git	**GitHub**	**Node.js**	**Next.js**	**WordPress**
AWS	**GCP**	**Serverless**	**Figma**	**LangChain**
Photoshop	**Netlify**	**Vercel**	**Replit**	**Astro**
Canva	**Streamlit**	**cPanel**		

Awards

CCS Days 2025 Hackathon Overall Champion — **March 2025**
Mrs. Marie Joy Morano-Sanchez

Contributed the highest points for team score to achieve the overall champion title during the CCS Days 2025 by successfully developing TESTify, an AI exam proctoring system integrated as a tool for Canvas LMS that monitors online exams for cheating using facial and behavioral analysis.

- Hackathon Champion
- Hackathon - Best Innovative Solution

CCS Days 2023 Hackathon Overall Champion — **December 2023**
USPF College of Computer Studies | Mr. Gian Carlo Cataraja, MIT

Successfully developed CERTify, an AI-integrated system designed to certify and authenticate academic records through advanced AI image analysis, tamper detection, and QR code technology.

- Champion of the Hackathon (1st year-3rd year category)
- Hackathon Most Promising Innovation (1st year-3rd year category)
- Hackathon Best-in-Logo (1st year-3rd year category)

goIT 3rd Placer — **November 2021**
TCS Digital Innovation Program

Secured 3rd place in the goIT competition during the TCS Digital Innovation Program as a lead member of TrackTrace, a digital contact tracing application, from Dumalag Central National High School, Capiz Province Division.

- Developed a digital contract tracing application for COVID-19