

## Dan Chavez

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### Experience

#### Full Stack AI Engineer

Remote / Cebu City, PH – On-site per client requirement

##### xFusion

August 2024 – March 2025

- Architected and implemented a multi-agent AI responder system with Python, OpenAI, LangChain/LangGraph, and Pydantic using RAG techniques that improved response accuracy by 65% while reducing manual drafting time by 75%.
- Led the development of an intelligent CSM inbox system using Next.js, TypeScript, and Node.js with Gmail, Slack, and Fireflies integration that reduced time spent on email/communication management by 40%, allowing CSMs to focus on high-value customer interactions.
- Engineered serverless AI agent architecture on AWS Lambda with Node.js, TypeScript, and Python that scaled to handle 3x the original request volume while reducing infrastructure costs by 20%.
- Optimized AI task management workflow integrating Linear API for customer support communications across Gmail, Slack, and Fireflies, resulting in 30% faster ticket resolution and 25% improvement in customer satisfaction scores.
- Designed and implemented ETL data pipelines using Snowflake, PostgreSQL, DynamoDB, and Pinecone vector databases that improved AI agent performance by 45% through more efficient data processing and model interaction.
- Guided two junior developers on AI agent development best practices, establishing code standards that reduced bug rates by 35% across team while utilizing AI-driven development tools like Cursor IDE, GitHub Copilot, and Devin to increase team productivity.
- Developed a prototype for an automated customer onboarding system that directly influenced the creation of the company's AI workflow builder platform, like Zapier and Make.com.

#### Co-Founder & Project Lead

Remote / Cebu City, PH

##### Develop Kreativitiy

November 2023 – Present

- Led redesign and development of an internal learning management system for Lyons Global™, integrating interactive modules and approval-based user registration using WordPress, cutting onboarding time by 60% and boosting engagement by 45%.
- Single-handedly developed and deployed Bilis Delivery, a full-stack food delivery platform using Laravel and Flutter with real-time GPS tracking and automated order management—processed 10,000+ orders in 1 year with 2000+ active users.
- Led the redesign and development of a website for Lyons Global™ using WordPress replacing the old Lyons Global™ website, improving brand presence.

#### Full Stack Developer

Cebu City, PH

##### University of Southern Philippines Foundation

July 2023 – Present

- Architected and deployed an AI chat agent using Python, OpenAI, AWS, LangChain/LangGraph, and RAG techniques with ChromaDB vector database, improving query resolution accuracy by 85% and reducing staff support requests by 40%.
- Developed an all-in-one university platform using CodeIgniter 4 and Ionic Framework that integrated RFID tracking, digital ID verification, messaging systems, and financial management, improving student/parent/faculty service access by 35%.
- Deployed a queuing management system using Laravel and Vue.js that decreased average wait times by 80% across university service offices.
- Configured and optimized PowerEdge R440 server environment and deployed an internal document records management system built on Laravel, enabling protected document storage, sharing, and retrieval that improved inter-departmental workflow efficiency by 60%.

#### Back-End Developer

Remote

##### MyToolz

July 2021 – December 2021

- Refactored and optimized high-traffic Blogger website using JavaScript and PHP, implementing security measures that prevented link bypassing and improved platform integrity.
- Developed modular PHP-based web tools including proxy validation services, email provider filters, cryptocurrency balance checker, and verification systems that streamlined third-party API integrations.
- Designed and deployed security-focused backend APIs using PHP that improved validation process speed and enhanced overall platform reliability.

## Technical Skills & Projects

**Languages:** Python, TypeScript, JavaScript, PHP  
**Frameworks & Libraries:** React.js, Next.js, Node.js, Laravel, CodeIgniter, LangChain/LangGraph/LangSmith  
**AI/ML:** OpenAI, Google Gemini, Anthropic Claude, Hugging Face Transformers, Pinecone, Neo4j  
**Cloud & DevOps:** AWS, GCP, Firebase, Vercel, Netlify, GitHub Actions, CircleCI, Serverless Framework, Digital Ocean, Replit, cPanel  
**Databases:** MySQL, PostgreSQL, DynamoDB  
**Version Control:** Git, GitHub, Bitbucket  
**Design & Tools:** Figma, Photoshop, Canva, WordPress

**ThinkOfATitle | AI Academic Title Generator** Next.js, TypeScript, Google Gemini, Vercel  
Built and deployed an academic title generator using Google Gemini with prompt engineering to generate high-quality academic titles and summaries based on custom user inputs.

**Sentiment AI | Fine-tuned Sentiment Analysis Model** Python, TinyBERT, JavaScript  
Fine-tuned TinyBERT model on custom sentiment dataset using Hugging Face and PyTorch, optimizing for fast inference on edge devices. Achieved 91% accuracy on validation set. Packaged model into REST API with FastAPI

**USPF Buddy & AuggieGPT | University AI Assistants** Python, PHP, OpenAI, Streamlit, MySQL  
Developed GPT-3.5-turbo-powered AI chatbots for university environments using custom document ingestion and embedding pipelines. Integrated DALL-E and web search plugins for multimodal interaction. Piloted with 50+ students at USPF.

## Awards & Certifications

**Overall Champion | CCS Days 2025 Hackathon** March 2025  
Developed TESTify, an AI exam proctoring system with facial and behavioral analysis for Canvas LMS using Python, OpenAI, and OpenCV.  
Additional awards: Best Innovative Solution

**Overall Champion | CCS Days 2023 Hackathon** December 2023  
Developed CERTify, an AI-integrated academic record authentication system.  
Additional awards: Most Promising Innovation, Best-in-Logo

**3<sup>rd</sup> Place | TCS Digital Innovation goIT App Development** November 2023  
Led a team of three senior high school students in developing TrackTrace, a COVID-19 digital contact tracing application.

**Google Data Analytics Professional Certificate | Google** April 2025  
**7<sup>th</sup> Place | CESAFI 2024 Computer Quiz Bowl** March 2024  
**Top 5 Individual Score | DICT REGION VII HACKFORGOV2: Capture-the-Flag** August 2023

## Education

**Bachelor of Science in Computer Science** Expected: 2026  
**University of Southern Philippines Foundation** Cebu City, PH  
Thesis: Design and Implementation of a Cloud-Native Artificial Intelligence (AI) Call Center using Amazon Web Services and OpenAI  
Honors: Dean's List (2022 – Present)