

## 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

- Built multi-agent AI responder system with Python, OpenAI, LangChain/LangGraph using RAG techniques, improving response accuracy by 65% and cutting drafting time by 75%.
- Developed intelligent CSM inbox system with Next.js, TypeScript, Node.js integrating Gmail, Slack, and Fireflies, reducing communication management time by 40% and enabling CSMs to prioritize high-value customer interactions.
- Designed serverless architecture on AWS Lambda using 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 with Linear API connecting support communications across platforms, resulting in 30% faster ticket resolution and 25% higher customer satisfaction scores.
- Implemented ETL data pipelines with Snowflake, PostgreSQL, DynamoDB, and Pinecone vector databases, improving AI agent performance by 45% through optimized data processing.
- Mentored junior developers on AI agent development, establishing code standards that reduced bug rates by 35% while leveraging AI tools (Cursor IDE, v0, Devin) to boost team productivity.
- Prototyped automated customer onboarding system that became foundation for company's AI workflow builder platform (similar to Zapier/Make.com).

#### Lead Full Stack Developer

Cebu City, PH

##### Bilis Delivery

April 2024 – Present

- Built food delivery platform using Laravel backend and Flutter for mobile/web frontend that processed 10,000+ orders for 2,000+ active users with 99.9% uptime in the first year.
- Implemented real-time order tracking and notification system using WebSockets and Google Maps API, enabling customers to monitor deliveries with high accuracy.
- Integrated secure payment processing with multiple gateways (Credit Card, COD) and developed automated driver matching algorithm based on proximity and availability.
- Created scalable backend with database optimization for consistent transaction handling, maintaining 99.9% uptime while processing 100+ concurrent orders during peak hours.
- Designed role-based authentication system providing granular permission controls for customers, drivers, restaurant partners, and admins.
- Created modular backend services for order management, driver assignment, and payment processing.

#### Co-Founder & Project Lead

Remote / Cebu City, PH

##### Develop Creativity

November 2023 – Present

- Redesigned Lyons Global™ learning management system with interactive modules and approval-based registration using WordPress, reducing onboarding time by 60% and increasing user engagement by 45%.
- Redesigned Lyons Global™ corporate website on WordPress, implementing responsive design patterns and optimizing performance scores from 65 to 92 on PageSpeed Insights.

#### Full Stack Developer

Cebu City, PH

##### University of Southern Philippines Foundation

July 2023 – Present

- Built AI chat agent with Python, OpenAI, and RAG techniques using ChromaDB vector database, achieving 85% query resolution accuracy and reducing staff support requests by 40%.
- Designed distributed university platform on CodeIgniter 4 with Ionic Framework frontend, implementing real-time RFID tracking system, secure digital ID verification, and integrated financial management, improving service access by 35%.
- Created queuing management system using Laravel and Vue.js, decreasing wait times by 80% across university service offices.
- Optimized PowerEdge R440 server architecture and built internal document records system on Laravel with role-based access control, improving inter-departmental workflow efficiency by 60%.

**Back-End Developer**  
**MyToolz**

- Restructured high-traffic Blogger website codebase, implementing content protection system that blocked unauthorized access attempts through referrer validation and encrypted URL parameters, reducing content theft by 70%.
- Built PHP-based API toolkit including proxy validation service, email validation and filter with regex pattern matching, cryptocurrency balance, and account verification system, reducing third-party API calls by 40%.

Remote  
July 2021 – December 2021

**Technical Skills**  
**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

**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)