Galileon A. Destura

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WORK EXPERIENCE

Full-Stack Web Developer **March 2026 – Current**

Abacus Solutions, Davao City

- Engineered a commercial booking web app handling **80+ daily transactions,** integrating PayMongo for automated payment processing.
- Implemented **payment idempotency** to prevent duplicate transactions and to ensure a stricter payment state.
- Automated **daily PostgreSQL backups** to Amazon S3 using GitHub Actions for recovery readiness
    - Stack: Next.js, TypeScript, Tailwind CSS, GitHub Actions, Supabase, Amazon S3, Vitest, PayMongo

Junior Full-Stack Web Developer **January 2025 – August 2025**

SparkLab Co-working and Study Space, Davao City

- Spearheaded the end-to-end development (ideation, UX design, and product management) of **SparkHub**, a custom management system built to track multi-tier customer sessions and subscription lifecycles.
    - Stack: Next.js, React, Typescript, Tailwind, Supabase, HTML, CSS, JavaScript

EDUCATION

University of Southeastern Philippines **2023 – 2027**

Bachelor of Science in Computer Science, Major in Data Science *Davao City, Philippines*

- **GPA: 3.48**
- **Relevant Coursework:** Machine Learning, Data Science, Database Management
- President, Computer Science Club (2025-2026)

PROJECTS

Cloud-based Serverless Data Pipeline for IoT Device

- Developed a serverless data pipeline that receives readings from an IoT device using Terraform, TypeScript, AWS Lambda, and Supabase, implementing the Principle of Least Privilege with AWS IAM to minimize vulnerabilities.
- Parses data into a json document that's fed into a frontend dashboard deployment that displays KPI's for the IoT device.
    - Stack: Terraform, TypeScript, AWS Lambda, Supabase

AI-Powered Facial Expression-Based HCI System

- Engineered a facial expression-based Human-Computer Interaction (HCI) system utilizing Google MediaPipe, enabling real-time, hands-free keyboard input and menu navigation.
- Extracted 468 3D facial landmarks and evaluated classification models (Random Forest, SVM, KNN) on 1,404-dimensional feature vectors to optimize for low-latency edge inference on standard hardware.
    - Python, OpenCV, MediaPipe, Scikit-Learn

VOLUNTEERING & COMPETITIONS

Champion of Innovation Olympics **2025**

- Secured 1st place out of nationwide competitors, earning ₱200,000 in R&D seed funding.

Davao NASA Space Apps challenge **2024**

- Co-Hosted a hackathon of 80 participants

SKILLS & INTERESTS

- **Technologies:** TypeScript, HTML, CSS, JavaScript, Python, React, Next.js, Tailwind CSS, Vite, Supabase, PostgreSQL, AWS Lambda, AWS S3, Terraform, Vitest, GitHub Actions
- **Skills:** Web Development; Full-Stack Development; Project Management