

# Juan Paolo B. Dionisio

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## Summary

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Final-year Computer Science student at Pamantasan ng Lungsod ng Maynila with hands-on experience building full-stack web applications using React, TypeScript, and Node.js. Led development across client-facing projects and hackathons, with exposure to fintech-adjacent systems through an IT internship at an accounting software firm.

## Relevant Experiences

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**AWS Cloud Club Haribon** Manila, Philippines

Technical Lead - Operations Office September 2025 - Present

- Responsible for end-to-end technical operations for major events, ensuring seamless tool integration and smooth execution through proactive preparation and live troubleshooting.
- Livestreamed onsite events to the official AWS Cloud Club Haribon Facebook page, handling real-time broadcasting setup and ensuring stable transmission throughout the program.

**Endless Logic Innovations IT and Business Solutions Co.** Valenzuela, Philippines

Business Analyst Intern - IT Department June 2025 - July 2025

- Led QA testing, data migration, and documentation efforts for the final stages of a custom accounting system, ensuring system accuracy and improving operational reliability.
- Partnered with developers and project managers in daily stand-ups to align goals for complex systems, including Accounting, POS, and HRIS—gaining critical insight into fintech-adjacent workflows.

**Google Developer Groups on Campus PLM** Manila, Philippines

Web Development Lead - Tech Team August 2024 - July 2025

- Organized and facilitated technical bootcamps and hackathons for the campus developer community, mentoring participants and reviewing collaborative project code to maintain quality standards.

**Headstarter AI** San Francisco, California, USA

Software Engineering Fellow July 2024 - August 2024

- Built an AI-powered customer service chat bot using the Gemini API, simulating real-world product support workflows for a mock company.
- Participated in code reviews, technical workshops, and collaborative builds with fellows from global universities.

## Notable Projects

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**MLP-Mixer Enhancement** | Project Lead & Developer April 2025 - March 2026

- Proposed and implemented three enhancements to the MLP-Mixer architecture for liver ultrasound image classification, improving overall model accuracy from 76% to 88% and Benign class F1-score from 43% to 79%.
- Originated the research topic, developed the initial prototype, and fine-tuned the CLAHE and Non-Local Means denoising pipeline to optimize preprocessing quality for the final implementation.
- Accepted for presentation at an international multidisciplinary research conference at Tarlac State University, March 2026.

**MAFA** | Team Lead & Full-Stack Developer October 2025

- Designed and built an end-to-end map-based workplace issue reporting platform as a hackathon MVP, covering frontend architecture, UI/UX implementation, and backend integration.
- Translated the hackathon brief into a concrete product scope, led the team from ideation to a live demo, and pitched to judges. Secured a Top 10 finish and the Most Creative award.

**FFWPU-System** | Project Lead & Frontend Developer January 2025 - May 2025

- Led a team of ten in delivering a full organizational management system for a real client, handling member records, events, and donation tracking across multiple branches.

- Managed the complete client engagement lifecycle from requirements gathering to final handoff, ensuring alignment between technical implementation and client needs throughout.
- Built using React and Node.js, with a relational database layer handling multi-branch organizational data.

### **Kinetiq - Sales Module** | Frontend Developer

February 2025 - May 2025

- Designed and implemented the UI/UX for the sales module of an ERP system using TypeScript and Tailwind CSS, translating design concepts directly into functional interfaces for managing customers, teams, and transactions.
- Drove feature direction for the module, defining priorities and ensuring consistent implementation across the team.
- Conducted manual testing across sales workflows to verify functionality and catch issues before presentation.

### **Lexio** | Project Lead

October 2024 - May 2025

- Led a team of six in building a beginner-friendly compiler that transpiles a custom language syntax into Python, designed to make core language concepts accessible through clear and readable syntax.
- Designed the UI and implemented frontend features for the compiler interface, ensuring an intuitive experience for first time users.

### **Shirts-And-Pants** | Project Lead & Full-Stack Developer

November 2024 - December 2024

- Built a full-stack e-commerce platform for clothing and apparel using Laravel, ReactJS, Tailwind, and Vite, implementing server-side rendering for product pages.
- Led a team of six from concept to deployment, overseeing technical decisions and ensuring delivery within scope and timeline.

## Technical Skills

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**Frontend:** React, Next.js, TypeScript, JavaScript, Tailwind CSS, HTML/CSS

**Backend & Database:** Node.js, Spring Boot, PostgreSQL, Prisma, MySQL, Supabase

**Languages:** Java, Python, PHP, C/C++, SQL

**Tools & Platforms:** Git, Docker, Kubernetes, Vercel, Linux, Figma, Jira

## Education

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### **Pamantasan ng Lungsod ng Maynila** | Intramuros, Philippines

September 2022 - August 2026 (Expected)

Bachelor of Science in Computer Science - Consistent Dean's Lister

College of Information Systems and Technology Management

### **Polytechnic University of the Philippines** | Sta Mesa, Philippines

October 2020 - July 2022

Senior High School - With High Honors

Science, Technology, Engineering, and Mathematics (STEM) Strand

## Awards & Competitions

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### **Aguman ning Belwan 2026 International Research Conference**

March 2026

- Accepted and presented research on MLP-Mixer enhancement for liver ultrasound image classification at an international multidisciplinary research conference.

### **Inventi Hackathon 2025**

October 2025

- Won the Creativity award and secured a Top 10 finish out of 30 competing teams, building MAFA — a map-based workplace issue reporting platform.

### **Hooked Unitour Hackathon 2024**

August 2024

- Built and integrated frontend services for the team's final project, contributing to a Top 10 finish out of 30 competing teams.