

AL FRANCIS B. PAZ

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PROFESSIONAL SUMMARY

Passionate Computer Engineering graduate skilled in software development and hardware integration. Strong foundation in creating RESTful APIs, full-stack applications, and Android solutions, aiming to merge hardware and software engineering with practical experience in automation and cloud deployment.

WORK EXPERIENCE

Backend Developer Intern

June 2025 - July 2025

REVLV Solutions Inc. | Burgundy Corporate Tower 252 Sen. Gil Puyat Avenue, Makati City

- Engineered the ExpenSEES-API, a RESTful backend for expense tracking utilizing Java, Spring Boot, and PostgreSQL, boosting user engagement by ~30%.
- Implemented user management and budget operations with efficient expense tracking algorithms, leading to improved reporting accuracy.
- Integrated JWT-based authentication and Spring Security to enforce role-based access control, enhancing application security.
- Deployed the software on a DigitalOcean Linux server, establishing CORS for seamless frontend dashboard integration.
- Collaborated with cross-functional teams to ensure the backend met client requirements while adhering to established best practices..

EDUCATION

Ateneo De Naga University

May 2026

Bachelor of Science in Computer Engineering

Baao National High School

June 2022

Senior High School Diploma

Baao National High School

March 2020

High School Diploma

PROJECTS

Integration of RFID and ESP32 in a Mobile-Based IoT System for Efficient Shuttle

Service Management at Ateneo de Naga University

Thesis: Tech Lead/ Full Stack Developer | <https://play.google.com/store/apps/details?id=com.shuttle.monitoring&hl=en>

- Operational Efficiency: Automated the transit workflow for an academic institution by integrating RFID-based boarding with real-time GPS tracking.
- Hardware-Software Synergy: Engineered a custom IoT ecosystem using ESP32 microcontrollers to bridge physical authentication points with a centralized backend system.
- User-Centric Monitoring: Enabled seamless real-time visibility for administrators and students through a synchronized mobile application.

Personal Portfolio Website

Frontend Developer | <https://8duinoide.github.io/portfolio/>

- End-to-End Development: A comprehensive archive of my technical journey, covering backend infrastructure, IoT integration, and full-stack deployment.

- Visual Documentation: A responsive hub designed to translate complex engineering challenges into clear, professional project outcomes.
- Demonstrated Expertise: Real-world proof of my ability to architect, deploy, and maintain high-performance software solutions.

Expense Tracking System Backend

Full-stack Developer

- Architected a robust backend ecosystem with Spring Boot and Java, enhancing data security through JWT authentication.
- Optimized workflows to accelerate client interaction and reporting functionality.

BINI Music Streaming App

Android Developer

- Developed a native Android application using Kotlin, enabling background playback and media controls for enhanced usability.
- Provided efficient multimedia handling to ensure smooth user experiences.

Embedded IoT Solutions

IoT Developer

- Engineered over 10 software integrations with hardware using C++ and Arduino, enhancing automation processes.
- Designed solutions that incorporated Robotic automation and RFID security, driving innovation in IoT applications.

CERTIFICATIONS, SKILLS & AWARDS

Certifications

- Cisco: Data Analytics Essentials, Cisco: Ethical Hacker, Cisco: Intro to Cybersecurity, Cisco: Intro to IoT and Digital Transformation, Cisco: Junior Cybersecurity Analyst, Cisco: Network Support and Security, Cisco: Programming Essentials in C++, Cisco: Programming Essentials in Python, NDG: Linux Essentials, NDG: Linux Unhatched

Technical Skills

- JavaScript, Java, Python, React Native, HTML5, CSS3, Spring Boot, Node.js, Firebase, PostgreSQL, C++, Arduino, IoT, Linux, Git

Awards & Achievements

- Packethacks 2024 Finalist, Breadboarding Competition - Participant, LAAD Software Festival Participant