Anthony John Aparicio

Engineering scalable backend architectures and AI-integrated mobile solutions that drive operational efficiency for modern businesses.

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EXPERIENCE

Allutional — *Backend Engineer*

October 2025 - PRESENT

I engineered robust server-side applications using Express.js and Node.js to ensure low-latency performance. My role involved managing deployment pipelines and conducting code reviews to reduce technical debt. I consistently optimized backend logic to meet strict sprint deliverables on time.

Inertia Ltd. — *Junior Software Developer*

July 2025 - October 2025

I led full-stack development tasks while collaborating on project planning to align features with client goals. I executed comprehensive QA testing protocols to identify edge cases before release. This ensured stable, bug-free deployments for both web and mobile platforms.

Freelance — *Software Developer*

January 2024 - PRESENT

I managed the end-to-end development lifecycle for various clients, delivering scalable solutions ahead of deadlines. I focused on operational efficiency and performance optimization to meet specific business needs. My direct client management ensured high satisfaction and successful project handoffs.

PROJECTS

BayloCentral — Marketplace for MSMEs

Architected the complete full-stack infrastructure, moving the product from concept to deployment.

FLASH — Flood and Fire Detection System

Built the hardware-software bridge by developing a Python server that processes telemetry data from environmental sensors. I connected this to a Node.js dashboard, enabling real-time alerts and visualization of flood levels and fire risks, providing crucial early warning data for safety monitoring.

SnapScore — AI-Assisted Quiz Correction

Engineered the backend logic to integrate OpenAI's vision capabilities, converting physical images into structured data for grading.

SKILLS

Backend Engineering: NestJS, Node.js, Python, RESTful API Design, Microservices Architecture.

Frontend & Mobile: Flutter (Dart), Next.js, React, Tailwind CSS.

Database Management: PostgreSQL, Prisma ORM, TypeORM, Database Modeling & Optimization.

DevOps & Cloud: Docker, CI/CD Pipeline Configuration, Linux Administration, Cloud Deployment strategies.

AI & Emerging Tech: OpenAI API Integration (Function calling/Tooling), IoT Integration (Raspberry Pi/Sensors), Computer Vision basics.

EDUCATION

Central Philippine University — BS in *Software Engineering*

August 2022 - June 2026

LANGUAGES

English, Filipino