

JUSTIN NABOR CUAGDAN

Information Technology – System Development | Pangasinan, Philippines

+63 927 424 5493 | cuagdannitsuj@gmail.com

linkedin.com/in/justin-cuagdan | github.com/AkotosiJUSTIN

PROFESSIONAL SUMMARY

Information Technology student specializing in System Development with hands-on experience developing full-stack web and mobile applications. Skilled in Python, JavaScript, TypeScript, React, Next.js, Node.js, Django, FastAPI, Flutter, and MongoDB. Experienced in REST APIs, authentication, AI integration, blockchain systems, and database-driven applications. Developed 8 software projects across civic technology, fintech, social platforms, game development, and business management.

EDUCATION

PHINMA University of Pangasinan

2022–Present

Bachelor of Science in Information Technology, System Development

Dagupan City, Pangasinan

SELECTED PROJECT EXPERIENCE

BayanTrack – AI-Assisted Smart City Reporting and Response System

2026

- **Architected** a civic technology platform for citizen incident reporting, tracking, and coordinated local government response across web and mobile applications.
- **Engineered** 1 Flutter mobile app, 1 Next.js admin dashboard, and 2 Python backend services using Django and FastAPI with MongoDB, JWT authentication, RBAC, geolocation, and evidence uploads.
- **Implemented** AI categorization across 5 incident categories using 1,779 training samples and 529 adversarial samples, with 3 confidence levels; integrated 3 blockchain smart contracts for tamper-evident audit trails.

Boardmate – Boarding House Management System

2025

- **Developed** a full-stack platform for room, tenant, payment, notification, and administrative management.
- **Engineered** RESTful APIs using Node.js and Express.js and connected a TypeScript React frontend with MongoDB for centralized data management.
- **Implemented** administrative dashboards for occupancy, payment monitoring, notifications, and system activity.

Lurk – 3D Horror Game

2026

- **Developed** a 3D first-person horror game in Unity featuring interactive environments, enemy behavior, and gameplay mechanics.
- **Engineered** Node.js and PostgreSQL backend services for player data, inventory management, and transaction records.
- **Implemented** a blockchain-based in-game shop using Solidity smart contracts on Ethereum Sepolia for verifiable digital transactions.

AnchorWatch – FinTech Monitoring Platform

2025

- **Developed** a fintech platform for monitoring stablecoin and USDC-related activities with analytics and alerts.
- **Engineered** Python/FastAPI backend services and MongoDB data workflows for financial activity monitoring.
- **Integrated** AI-powered financial data summarization to generate structured insights for analysis.

ADDITIONAL PROJECTS

Race Connect – Motorsports social platform supporting profiles, posts, comments, and community interactions.

Smart DTR – Mobile attendance and time-record system with authentication, logging, and reporting.

Legendary Motorsports – Responsive automotive wiki using HTML, CSS, and JavaScript.

Typeroo – JavaFX desktop typing game with scoring and progressive difficulty.

PROFESSIONAL DEVELOPMENT

eGovHackathon 2026 – Participant

2026

Code & Conquer: Understanding Blockchain – System Developer Alliance Workshop, PHINMA University of Pangasinan

Jan. 2026

Focus: Sui blockchain ecosystem, Move programming language, blockchain architecture, and smart contract development.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, C#, SQL, HTML, CSS

Frameworks: React, Next.js, Node.js, Express.js, Django, FastAPI, Flutter

Databases: MongoDB, MySQL, PostgreSQL

Tools: Git, GitHub, Postman, Figma, VS Code, Firebase, Google Cloud, Unity

Concepts: REST APIs, Full-Stack Development, Mobile Development, AI Integration, Blockchain, Smart Contracts, JWT, RBAC, CRUD, MVC, Database Design