Jorym Renz Arias

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TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Java, Kotlin, C++, PHP, Python, SQL
Frontend & Mobile: React, Next.js, Svelte, Tailwind CSS, TanStack Query, Zustand, Jetpack Compose, React Native
Backend: Node.js, Express (JS), Drizzle ORM, Prisma ORM, Better Auth, Turso, Firebase, Blockchain
Databases: PostgreSQL, SQLite (Turso), MongoDB, Firebase
Infrastructure & DevOps: Linux, Git, Vercel, Docker, GitHub Actions

PROJECTS

SONAVI (Project Manager & Lead Developer)   Feb. 2025 – Oct. 2025
Undergraduate Capstone Project

- Led a 5-member team and built an Android + Wear OS system using **Kotlin**, **Jetpack Compose**, **TensorFlow Lite**, **MFCC extraction**, and **JTransforms** for real-time environmental sound detection; **average detection latency < 1.5s**.
- Implemented **custom sound training** with cosine similarity, adaptive thresholds, and prototype-based matching.
- Optimized continuous monitoring power to **~6%/hr (watch)** and **~5%/hr (phone)** while maintaining offline capability.

SJDM CHRISTIAN MINISTRY RMS (Lead Developer)   Apr. 2025 – May. 2025

- Led development of an RMS using **T3 Stack (Next.js, TypeScript, Tailwind), tRPC, Drizzle ORM, and LibSQL.**
- Organized codebase with typed components and type-safe migrations, **boosting team productivity ~200%**.
- Implemented **React Hook Form + Zod**, Radix UI components, and better-auth for secure session handling.

D'SHINE: AI MARKETING ASSISTANT (Project Manager & Full-Stack Developer)   Nov. 2024 – Dec. 2024

- Developed AI-powered customer engagement tool using **Next.js**, **TypeScript**, **Tailwind**, and **Groq LLM** integrations.
- Built product segmentation, automated message generation, and CRM-style features for a cosmetics distributor.

PLANTARIA (Project Manager & Lead Developer)   Oct. 2024
PSITE RAITE 2024 Hackathon

- Built urban farming platform using **ICP (Azle)**, **TanStack Query**, **SQL.js (TypeORM)**, and **Tailwind**.
- Implemented tutorial publishing, bookmarking, decentralized identity (DFINITY), and in-canister database operations.

EDUCATION

BULACAN STATE UNIVERSITY – SARMIENTO CAMPUS   Aug. 2022 – Present
Bachelor of Science in Information Technology

    Major in Web and Mobile Application Development
    ITDS Research Colloquium 2025 Awards (SONAVI)

- **Best Presenter**, **Best Research Paper** & **Best Capstone Project**
- 2nd Best Exhibitor

    Gold Gear Awards

- **President's List** Awardee, 2025
- **Dean's List** Awardee, 2024
- Outstanding Performance in TOPCIT 2024

    Junior Programming Competition, IT & Data Science Dept.

- 1st Place, 2024 (Java)
- 3rd Place, 2023 (C/C++)

SAN JOSE DEL MONTE NATIONAL TRADE SCHOOL   2020 – 2022
Senior High School

    TVL Track – Information and Communications Technology Strand

- Graduated with **Honors**
- Awarded **Best in Work Immersion Student** & **Most Outstanding Output** (Work Immersion)

CERTIFICATIONS

11TH TOPCIT PHILIPPINES – Score: 354 (Level 2)   Nov. 2024

- Scored **more than double** the national average (152.5), placing above the **Top 30%** benchmark.
- Ranked **1st out of 150** participants at Bulacan State University – Sarmiento Campus.