

John Michael C. Guerra

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WORK EXPERIENCE

NexLogic Telecommunications

Silang, Cavite
2025

Junior Software Developer Intern

- Help to develop a Telegram Chatbot with LLaVA AI integration to process image into text.
- Implement LLM processing distribution on the device they use using LocalAI.
- Developed an audio transcriber with summary generation software and integrated with AI for meeting purposes.

PROJECTS

AI Diary(AID)

Flutter, Dart, Firebase, Google Gemini 2.5 Pro, FFmpeg, Material 3, Git

- Designed and developed a Flutter-based audio journal app with Material 3 UI, enabling effortless, voice-first journaling and intelligent organization.
- Implemented multi-language support (12+ languages) and real-time speech-to-text with AI-generated summaries, titles, and insights using Google Gemini 2.5 Pro API.
- Built an audio processing pipeline with FFmpeg for optimized voice input and playback.
- Integrated Firebase (Auth, Firestore) for secure, encrypted cloud sync and user authentication.
- Automated builds and testing using GitHub Actions for CI/CD.

Portfolio Website

TypeScript, Next.js, Supabase, Vercel, Tailwind CSS, HuggingFace API, OpenRouter API, Git

- Developed a personal portfolio using Next.js, TypeScript, and Tailwind CSS, featuring a modern, responsive design.
- Integrated a Retrieval-Augmented Generation (RAG) chatbot capable of answering questions using knowledge ingested from PDF documents.
- Automated document ingestion pipeline using n8n: extracts text from PDFs, generates embeddings with Hugging Face, and stores vectors in Supabase pgvector.
- Implemented semantic search API routes in Next.js for real-time, context-aware chatbot responses.
- Deployed the site with Vercel, ensuring CI/CD and global accessibility.

ELSAR (Supplementary App)

Unity, C#, Firebase, Vuforia, AR

- Lead the development for making the ELSAR app that will be used by the Senior Highschool students
- Lead programmer of the software, used Unity and C# language for the development
- Implemented database using the Firebase Firestore that handles the quiz data and student data
- Implemented Augmented Reality in Unity using Vuforia

EDUCATION

Emilio Aguinaldo College - Dasmariñas

2019 - 2021

Science, Technology, Engineering, and Mathematics (STEM)

STI College - Dasmariñas

2021 - 2025

- Bachelor of Science in Computer Science
- **GWA:** 1.78
- **Relevant Coursework:** Object-Oriented Programming, Data Structures and Algorithms, Mobile Development

SKILLS

Programming Languages: Python, C#, TypeScript, JavaScript, HTML/CSS, Dart, SQL

Specialization: Software Development, Web Development, Mobile App Development, AI Integration

Soft Skills: Communication, Leadership, Creativity, Critical Thinking, Enthusiastic, Adaptable