JOHN DYLL C. RICABLANCA

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SUMMARY

4th-year BS Information Technology student (graduating 2027) seeking an OJT as a Full-Stack Web & Mobile Developer, AI, or QA intern. Built and deployed React, Supabase, Firebase, and FastAPI applications, including a fine-tuned NLP model and an n8n AI chatbot workflow, using AI-assisted development and coding agents. Eager to learn and works well with people.

EDUCATION

Bukidnon State University — Bachelor of Science in Information Technology — Expected 2027

PROJECTS

SmartQuiz: An AI-Assisted Quiz Creation, TOS Generation, and Review System *(Capstone Project)* — 2026
Full-Stack Developer, team of 2 | React 19, Vite, Tailwind CSS v4, Supabase (PostgreSQL), FastAPI, PyTorch, Hugging Face Transformers

- Developed an exam authoring and review platform for educators and faculty reviewers that automates Table of Specifications (TOS) generation and supports multi-tier peer review.
- Fine-tuned a DistilBERT model and deployed it through a FastAPI service to classify quiz questions into Bloom's Taxonomy cognitive levels.
- Designed the TOS generation and curriculum-alignment module that balances exam blueprints against syllabus objectives and difficulty distribution.
- Implemented authentication, role-based access control (Instructor, Reviewer, Admin), PostgreSQL Row Level Security policies, and Cloudflare Turnstile bot protection.

BUKSU EEU Mobile App *(Application Development Final Project)* — 2025
Solo Full-Stack Mobile Developer | Java, Android SDK, Firebase, Node.js, Cloudinary, Brevo API, Cloudflare Turnstile, MPAndroidChart

- Developed and deployed an Android e-commerce app for the BUKSU Economic Enterprise Unit, designed to eliminate physical order queuing for university merchandise and supplies.
- Built student ordering with real-time stock sync, cart management, and order status tracking using Firebase Firestore.
- Implemented Firebase Authentication with Google Sign-In, multi-role access, and Cloudflare Turnstile bot mitigation.
- Created a real-time admin dashboard with MPAndroidChart sales analytics and automated order-readiness alerts via Firebase Cloud Messaging, Cloud Functions v2, and Brevo email.
  GitHub: github.com/melkeytetss/Buksu_EEU_Application | Landing page: melkeytetss.github.io/BUKSU_EEU_LANDING_PAGE

AI Customer Support Chatbot for Facebook Messenger *(Personal Project)* — 2026
Solo Developer | n8n, Groq API (Llama 3.3 70B), Facebook Messenger API, Google Sheets

- Built a 7-node n8n workflow that receives Messenger messages through a webhook and returns AI-generated customer support replies.
- Logged conversations to Google Sheets and resolved webhook verification, API authentication, and page subscription issues during live testing.
- Designed on a zero-cost stack so it can be offered affordably to small businesses in the Philippines.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, SQL, HTML/CSS
Web: React 19, Vite, Tailwind CSS, React Router, Node.js
Mobile: Android SDK, Firebase (Firestore, Authentication, Cloud Messaging, Cloud Functions), Glide, OkHttp, MPAndroidChart
Backend & Databases: Supabase (PostgreSQL, Edge Functions, Row Level Security, Auth), FastAPI, Firebase Firestore
AI / ML: PyTorch, Hugging Face Transformers (DistilBERT fine-tuning), WEKA, Groq API
Automation & APIs: n8n, Facebook Messenger API, Cloudinary API, Brevo API, Google Sheets
Security: Role-Based Access Control, Row Level Security, JWT, Cloudflare Turnstile
Tools: Git, GitHub, Figma

CERTIFICATIONS

CCNA: Switching, Routing, and Wireless Essentials — Cisco Networking Academy via Bukidnon State University — Jan 2026
Introduction to AI Literacy and Responsible Use — Micro-credential, Mapúa University / CHED ACHIEVE — Sep 2026