



Joshua Daniel David

Computer Science Graduate | Magna Cum Laude

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Summary

Full-stack developer specializing in cross-platform apps and cloud-based systems. Experienced in React Native, Laravel, and cloud platforms (Supabase, Firebase) with a strong background in AI/NLP. Proven record in building scalable, mobile-first solutions and presenting research at national and international tech conferences.

Internship

Philippine Military Academy

Web Developer / IT Technician

Fort Del Pilar, Baguio City

June 2024 - July 2024

- Developed the cadet management (CRUD of cadets, subjects, and courses): developed key modules for a cadet management system using Laravel and AJAX, reducing manual entry tasks by 50%. Supported over 100+ users by maintaining academy-wide network and hardware infrastructure.

Education

Saint Louis University

Bachelor of Science in Computer Science

Magna Cum Laude

August 2021 - June 2025

University of the Cordilleras

Science, Technology, Engineering, and Mathematics

Graduated with High Honors

August 2019 - May 2021

Projects

D'Xplorer Travel & Tours App (React Native, Supabase, Tailwind)

- Cross-platform booking app with authentication, booking workflows, and real-time updates.
- Built admin panel (React, Tailwind) for managing users, bookings, and content.

Blue Phoenix Reviewer (Android Studio/Java, Firebase)

- Led development of a Bar Exam preparation platform with an Android app (Java).
- Designed an intuitive, responsive UI/UX with features like practice questions, progress tracking, and push notifications.
- Used Firebase (Firestore, Authentication, Cloud Storage, FCM) for real-time data and secure user management.
- Developed a React-based web CMS and admin panel for managing users and study materials.

Ilocano Language Learning App (Flask, Bootstrap, Seq2Seq NLP)

- Adaptive gamified learning using sequence-to-sequence model for translation tasks.

Cloud-based RoBERTa SDG Assessment Tool for Higher Education Institutions

- Machine Learning Model deployed in Google Cloud Platform using Natural Language Processing, specifically RoBERTa, to assess HEI documents with their compliance to SDG

Research & Presentations

25th Philippine Computing Science Congress

University of the Cordilleras - Main Campus, Baguio City, Philippines

May 8 - 10, 2025

- Presented research on cloud-based SDG classification using RoBERTa.

2025 IEEE Symposium on Computers & Informatics (ISCI2025)

Kuala Lumpur, Malaysia

August 9, 2025

- Co-authored and presented a research paper on cloud-based SDG classification using RoBERTa.
- Developed a web app for SDG document analysis, integrating the NLP model with cloud services.
- Presented findings at the 25th Philippine Computing Science Congress and IEEE ISCI2025 .

Technical Skills

Languages: Java, JavaScript, TypeScript, Python, PHP, Kotlin

Frameworks/Libraries: React, React Native, Laravel, Flask, Bootstrap, Tailwind

Databases: PostgreSQL, Firebase, Supabase, MySQL

Tools: Git, Figma, Docker, Postman, VS Code

Other: REST APIs, RLS Policies, NLP, Firebase Cloud Messaging

Certifications

AI - Natural Language Processing Capacity Program

National University

March 7 2024

Information and Communication Technology Specialist Proficiency in Computer Programming

Department of Information and Communications Technology

February 2025

12th TOPCIT Philippines

Institute for Information & Communications Technology Promotion

July 2025