James Ryan S. Gallego

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Education

Partido State University   Goa, Camarines Sur
Bachelor of Science in Computer Science   *Expected Graduation: 2026*

Technical Skills

Languages: Java, Kotlin, Python, JavaScript (ES6+), SQL, PHP, HTML5, CSS3, SASS
Mobile: Android SDK, Jetpack Compose, XML, Room DB
Web: React (Vite), Bootstrap, Chart.js, PDF.js
Backend & Tools: Firebase (Auth, Firestore), Appwrite, MySQL, Git, OpenWeather API

Freelance & Contract Experience

Mobile Application Developer   Oct 2024 – Nov 2024
Echo-Nnect (Note-Taking Application)   *Remote*

- Developed a native Android application using **Java** and **Room DB** for offline data persistence.
- Designed a sleek, XML-based UI/UX focused on rapid thought capture and organization.
- Managed the full development lifecycle from requirement gathering to APK delivery.

Mobile Application Developer   Jan 2025 – Feb 2025
SalbaBida (Emergency & Weather App)   *Remote*

- Integrated **OpenWeather API** and **OpenStreetMap** to provide real-time environmental data.
- Implemented **Firebase** for backend data handling to ensure reliable uptime for emergency features.
- Built the interface using Java and XML, optimizing for accessibility during emergencies.

Web Developer   Jun 2025 – Jul 2025
HGDG-GAD Compliance Tool   *Remote*

- Developed a digital compliance tool for DepEd projects using **HTML, CSS, and JavaScript (Vite)**.
- Engineered a secure backend using **Firebase** for real-time data storage and retrieval.
- Deployed the live application to Netlify, ensuring high availability for users.

Key Projects

SPECS Management System | *AppWrite, Bootstrap, Chart.js*   Jun 2025 – Aug 2025

- Designed an organization workflow system to streamline administrative tasks for SPECS.
- Implemented **AppWrite** for robust authentication and database management.
- Visualized data using **Chart.js** and ensured mobile responsiveness with Bootstrap.

CREST (Research Repository) | *Kotlin, Jetpack Compose, Firebase*   Sep 2022 – Jul 2025

- Migrated legacy Java codebase to modern **Kotlin** and **Jetpack Compose**.
- Integrated an in-app PDF viewer and Room DB for efficient handling of research papers.
- Implemented cloud syncing features using Firebase for student access.

Electronic Abstract System | *PHP, MySQL*   Jan 2025 – May 2025

- Built a digital abstract repository for the Partido State Library.
- Developed a custom search algorithm using PHP and MySQL for efficient record retrieval.

SIAS Schedule Organizer | *JavaScript, PDF.js*   Jan 2025 – Jul 2025

- Created a tool to parse PDF schedules using **PDF.js**, removing manual data entry.
- Automated the extraction of student schedules from university portal exports.