

EARL JANN M. RIVERA

BS INFORMATION TECHNOLOGY

Lopez, Quezon

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SUMMARY

Passionate about building website, mobile, and desktop applications, with a strong interest in designing and developing practical, user-friendly software. Eager to learn new technologies, develop skills through hands-on projects, and contribute to meaningful, real-world solutions that create value. Driven to collaborate with teams, solve problems creatively, and continuously grow in the field of software development.

PROFESSIONAL EXPERIENCE

Programmer

Jun 2025 - August 2025

Hon-Kwang Electric (Philippines) Inc. | Biñan City, Laguna

- Developed a Scanning Mobile Application using Flutter and Firebase to automate the reporting process of the machines in the production.
- Assisted in the setup and configuration of automated systems used for surface mount technology processes.
- Developed a Website using PERN stack to lessen the time in requesting products to other department

IT Developer Intern

Mar 2025 - Jun 2025

Hon-Kwang Electric (Philippines) Inc. | Biñan City, Laguna

- Handled and organized production data from SMT and DIP areas to support reporting and process monitoring.
- Assisted with troubleshooting of production hardware, including computers and printers.
- Developed a Feeder Verification Mobile App with barcode using Flutter and Firebase in scanning to check and validate SMT feeder assignments.
- Created an Employee Attendance Mobile App using QR code scanning for recording and tracking attendance logs.

PROJECTS

SMT Feeder Scanner

- Developed a mobile app with barcode scanning to verify SMT feeder reel placement, helping confirm correct component loading and speed up the verification process up to 75%.

Employee Attendance Scanner

- Developed and deployed an employee attendance scanner using QR code technology at Hon-Kwang Electric (Philippines) Inc., implemented in the assembly department.
- Enabled admins to download scanned attendance records in Excel format for documentation and reporting purposes speeding up manual process by 95%
- Uses autodeletion of data if 7 days passed to utilize the free tier in Firestore database avoiding costly plan.

SnapCheck (Capstone Project)

- Co-developed and deployed a mobile app that automatically checks handwritten answer sheets using Flutter, with Firebase as the back-end.
- Trained and integrated a handwriting recognition machine learning model to deliver fast and accurate grading.
- Implemented Rate-Limiting and other API security features to protect the user's data.

Barangay Maniwaya, Marinduque Information System

- Created a full-stack web application (Barangay Information System) by managing the database with MySQL, developing the back-end logic with PHP, and building a responsive user interface using HTML, CSS, and JavaScript.

Cinema Ticketing PUP Lopez Branch

- Created a full-stack ticketing platform as a final project. Managed user accounts, ticket inventory, and secure transactions by integrating PHP and MySQL with a responsive HTML/CSS/JS interface.

HNHS Inventory Management

- Created a C# windows application for Hondagua National High School to serve as a comprehensive inventory management system.

Movie Ticketing System

- Created a desktop application in C# that allows users to book, manage, and track movie tickets with a user-friendly interface.

TECHNICAL SKILLS

- Hardware Troubleshooting
- Network Troubleshooting
- Web Development (HTML, CSS, JavaScript, ReactJS)
- Mobile Application Development: Flutter, Firebase
- Application Development: C#, Dart, Java
- Back-End Development: Node.js, PHP, SQL, Firebase
- Database Management: MySQL, Firebase, MsSql, PostgreSQL
- API Integration: REST APIs, JSON
- Version Control: Git, GitHub
- Deployment & Hosting: Firebase Hosting, Web Servers

PERSONAL SKILLS

- Problem-solving and finding practical solutions
- Flexible and quick to learn new things
- Leadership with experience guiding and motivating teams
- Strong teamwork and collaboration
- Good time management and ability to meet deadlines

EDUCATION

2021 - 2025

Bachelor of Science in Information Technology

Polytechnic University of the Philippines Lopez Campus

- Dean's Lister (2021-2024)