

JOHN RALPH P. BONE

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EDUCATION

Bicol University , B.S. in Information Technology (IT) Relevant Coursework: Web Development, Networking, Tech Member: Sports Club Deputy Finance Officer	<i>2023 – Present</i>
Ligao National High School , Computer System Servicing OJT Experience: Customer Assistance Member: Drivers of Technology (DotOrg) Technical	<i>2021 – 2023</i>

TECHNICAL SKILLS

Programming Languages: C++, C, Python, Java, HTML, CSS, MySQL
Frameworks & Tools: Git, GitHub, Jupyter notebook, Excel, Canva, Inno Setup, Arch Linux, Vercel, Supabase, Artificial Intelligence, Cryptography, Figma, Bootstrap, Anaconda
Soft skills: Negotiation, Time management, Initiative, Decision making, Service, Conflict Resolution, Adaptability

WORK EXPERIENCES

JRB Consumer Electronics Trading <i>Proprietor/Manager</i>	<i>2025 – Present</i>
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- Fostered a collaborative and customer-focused work environment
- Accounting of sales and inventory.
- Evaluated employee performance and provided coaching to improve productivity and sales skills
- Improved customer satisfaction by enhancing service quality and issue resolution
- Created a Karaoke Calculation System that computes, processes, and records customer purchase details.

JMB Electronics & Electrical Supply <i>Assistant Manager</i>	<i>2023 – 2024</i>
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- Assisted in opening and closing procedures, including cash reconciliation and store setup.
- Addressed customer inquiries, complaints, and returns.

<i>Client Sales Associate</i>	<i>2019 - 2023</i>
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- Assisted customers with product selection, providing accurate information and recommendations to meet their needs.
- Contributing to improved customer satisfaction ratings through attentive service.
- Developed strong communication and interpersonal skills through daily customer interactions.
- Provided customer service and sales support in a fast-paced retail environment.

PROJECTS

LnPulse React.js, Node, Express.js, MySQL12, CSS (Group Project)	<i>Oct 2024 – Dec 2024</i>
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- Improved role-based access control (RBAC) by correcting permission checks across backend routes ensuring backend APIs enforced access rules based on authenticated user roles
- Added frontend pages such as subject logic, student list, and department hierarchy.
- Created mock ups/prototypes with Figma

Barangay Health Center Information Management | Smartdraw

- Designed and structured database schemas, focusing on table relationships and normalization
- Created wireframes to map database connections and data flow across the system.
- Conducted database need-finding to align data design with system requirements

Calcuoke React, Node, JavaScript, Tailwind CSS, Vite, AI	<i>Nov 2025 – Dec 2025</i>
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- Developed a modern React + TypeScript single-page application for managing system assembly, sales data, and inventory.
- Implemented inventory management features including validated CRUD operations, filtering, search, and sorting.
- Designed a structured assembly workflow with automated cost calculations, grading logic, and transaction capture.
- Built component replacement workflows with history tracking and record management.

PyPOS Python 3.11, Tkinter (ttk), SQLite, PyInstaller	<i>Dec 2025 – On Going</i>
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- Developing a desktop point-of-sale (POS) application in Python for small retail environments, supporting core sales, checkout, and inventory workflows in an offline setup.
- Applying a modular, layered architecture separating UI, business logic, and data access, improving maintainability and scalability of the codebase.
- Implementing secure user authentication and role-based access, including administrative controls for system management and reporting.
- Building data persistence and reporting features using a local SQLite database with structured import/export functionality for operational data.