

Castor Troy U. Ricafort

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Experience

Software Engineer

July 2025 - Present

Synacy

Cebu City, Philippines

- Designed and maintained automated data pipelines using webhooks, REST APIs, and JSON integrations to ingest operational data, implementing ETL processes to transform and store datasets in AWS S3. Maintained an event-driven architecture and automated data synchronization with n8n workflows, improving data accuracy to 95%+ and reducing manual handling by 30–40%.
- Enhanced internal platforms supporting maps, circuit infrastructure data, and client records, and developed middleware integrations enabling reliable two-way synchronization with external CRM systems. Deployed containerized services using AWS ECS, managed infrastructure with AWS CDK, and supported deployments through CI/CD pipelines, while leveraging AI-assisted development tools (Claude Code, OpenAI Codex, OpenCode) to accelerate delivery.

Software Developer Intern

June 2025 - July 2025

Lexmark/Xerox Corporation

Cebu City, Philippines

- Led development of a company-wide workflow and transition system using Power Apps, Power Automate, SharePoint, and Microsoft 365, implementing role-based access control (RBAC), automating business processes, and improving cross-department efficiency by 65%.
- Built automated notification, data integration, and Microsoft Teams group provisioning workflows with Power Automate, parsing and constructing JSON payloads and integrating with Microsoft Graph APIs to enable real-time communication and streamlined cross-team collaboration.

Software Developer

August 2024 - June 2025

Freelance/Contract

Cebu City, Philippines

- Led the design and development of a school administration system used across campuses in Cebu and international locations, supporting 5,000+ students per campus and automating enrollment, student records, and role-based access control, cutting manual processing by 60%.
- Earned income as a working student by delivering paid software projects for fellow students, gathering requirements, implementing analytics and reporting features, and shipping production-ready solutions using Spring Boot, React, Firebase, Thymeleaf, Docker, PostgreSQL, Render.

Projects

TAMBAL-PD

Lead Software & Firmware Developer

IoT-Integrated Smart Medicine Management

IoT

- Developed a full-stack Flutter and Firebase mobile application integrated with an ESP32 IoT smart medicine dispenser, engineered custom firmware for biometric authentication, automated dispensing, and cloud synchronization, and deployed the system in an elderly care facility, improving medication adherence and reducing errors for 30 residents.

Sisters of Mary Schools Administration System

Lead Backend Developer

School Operations & Records Management System

Web Application

- Built a school administration system with Spring Boot supporting 5,000+ students per campus, featuring enrollment workflows, student records, and role-based access control. Implemented REST APIs with a PostgreSQL database and deployed the application for reliable, multi-campus access.

Skills

Soft Skills: Critical Thinking, Team Collaboration, Adaptability, Time Management, Effective Communication, Learner
Technical Skills

- Version Control & DevOps:** AWS ECS, AWS Code Pipeline, AWS S3, Docker, Linux, Render, Firebase, Git, Github
- Programming Languages:** Java, C#, Arduino C++, Typescript, Python, Dart, C
- AI & Automation Tools:** Claude Code, Codex, Open Code n8n, Make, Power Automate, Copilot, Chat GPT
- Frameworks:** Spring Boot, Angular, Spock(Testing), React, Express.js, Node.js, Flutter, .Net
- Databases:** Postgres, Firebase, MongoDB, MySQL, MS Access, SQL
- Data & Business Analytics:** Power BI, Power Apps, Sharepoint, Excel
- Project Management:** Notion, Miro, Confluence, ClickUp, Microsoft 365, Google Workspace

Education

Cebu Institute of Technology - University

Cebu City, Philippines

Bachelor of Science in Computer Engineering

August 2022 - July 2025

- Parangal Awardee – Top Academic Achievers
May 2025
- 14th CIT - U Research Congress 2nd Placer
April 2025