

CRIS JOHN M. RAMIREZ

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Professional Summary

Versatile and detail-oriented Computer Science graduate with strong hands-on experience in Python, Django, Flask, FastAPI, PHP, and JavaScript. Proven expertise in web development, IoT systems, and software engineering, alongside a solid foundation in object-oriented programming and full-stack development. Adept at automation and leading projects from concept to deployment, delivering robust solutions for real-world problems. Actively seeking opportunities to innovate and grow as a technology professional.

EDUCATION

B.S. in Computer Science

Southern Luzon Technological College Foundation Pio Duran Inc.

June 2019 – June 2023

Programming (JAVA NCIII) – TESDA Training

NRG-Info Tech

June 2024 – August 2024

EXPERIENCE

IT Programmer – MR Circuits and Security Inc

Web Developer – Supervised Industry Training (120 Hours)

June 2024 – August 2024

- Performed object-oriented analysis and design in PHP, contributing to the development of a student record management system.
- Developed and optimized PHP applications using OOP principles, improving system efficiency by 25%.

- Designed a responsive UI for both web and mobile platforms using Bootstrap and Tailwind, increasing user engagement by 30%.
- Maintained consistent branding across all digital interfaces, ensuring cohesive user experience across devices.

IT Instructor (Full-Time)

Southern Luzon Technological College Foundation Pio Duran Inc.

January 2024 – January 2025

- Delivered lectures on Java, Python, OOP, Web Development, AI, and Software Engineering to over 100 students across 4 year levels.
- Designed interactive lesson plans and coding exercises, resulting in a 40% increase in student engagement and project quality.
- Mentored students through real-world software projects, 90% of whom successfully deployed working prototypes.
- Advised students on career paths and IT industry trends, helping at least 15 students land internships in tech companies.
- Continuously refined the curriculum to match current technologies, ensuring alignment with industry standards.

Freelance Software Developer / Programmer

February 2022 – Present

- Built and deployed custom web applications for 3+ small businesses using Python and IoT integrations.
- Implemented RESTful APIs and third-party services like Stripe (for payments) and Twilio (for SMS), reducing client manual work by 40%.
- Conducted QA testing and code reviews, maintaining a 100% defect-free deployment record.
- Managed full development lifecycle from client consultation to post-deployment support, ensuring 100% client satisfaction.

PROJECTS

Simulation of LPG Leakage Detection with Alert System

Python, IoT | Thesis Project

- Developed an IoT-based system to detect LPG gas leaks in real-time and send alerts to users and the Bureau of Fire Protection (BFP) via SMS and web dashboard.
- Designed a web application with user registration, leakage history tracking, and live LPG status monitoring.
- Integrated gas sensors with Python and microcontrollers, achieving a 95% detection accuracy in controlled tests.

LGU Query Assistance Automation

Python, Django, Automation

- Developed an automated system to streamline responses to common queries received by Local Government Units (LGUs).
- Designed and implemented a Django-based web interface for citizens to submit inquiries and track their status.
- Utilized Python scripting to process incoming queries, categorize them, and generate automated responses or route them to the appropriate department for action, significantly reducing manual effort and response times.
- Implemented data analytics to identify common query patterns and improve service delivery.

POS with Inventory managements System

Python, Django, RESTapi

- Engineered a comprehensive Point-of-Sale (POS) and inventory management system for efficient retail operations.
- Built a robust REST API using Django REST Framework to enable seamless communication between the POS frontend and backend for real-time data updates.
- Implemented core POS functionalities including sales transactions, product, receipt generation, and diverse payment processing (cash, card).
- Developed a detailed inventory module featuring real-time stock tracking, automated low-stock alerts, product categorization, supplier management, and purchase/sales history.
- Designed a user-friendly web interface for managing products, tracking sales performance, generating reports, and administering user roles.

Other Projects

- Asia Terminal Inc Centralized Attendance System with Handheld Tablet
- MR Circuits and Security Inc Inventory Management System
- Municipality of Pióduran Voters Portal
- Job Application Portal and Management System
- We care Pet care with AI Chatbot for treatment

CERTIFICATES & TRAINING

TECHNOLOGIES

Certifications & Awards

- Leadership Awardee – SLTCFI, June 2023
- NCIII JAVA Programming – NRG-Info Tech, Aug 2024
- Contact Center Servicing NCII – SL-Pióduran Training Center, June 2024
- IBM Software Engineer (with Honors) – Feb 2025
- Certificate of Membership – PSITE Bicol Chapter, March 2024
- Enterprise Training – HR Primo Management, Aug 2024

Technologies

- Python – (Django , Flask, FastAPI)
- Javascript – (React.js)
- MySQL
- Docker