CRIS JOHN M. RAMIREZ

September 12, 1999
Brgy 1. Pio Duran, Albay
crisjohnramirez521@gmail.com
0992-4644-573
www.linkedin.com/in/crisjohnramirez091299
https://cris-john-ramirez-h75c.vercel.app/

Professional Summary

Versatile and detail-oriented Computer Science graduate with hands-on experience in web development, IoT systems, and software engineering. Passionate educator and developer with a strong foundation in object-oriented programming, full-stack development, and real-world IoT applications. Proven ability to lead projects, teach complex topics, and build innovative systems—from RFID-based attendance solutions to AI-powered safety systems. Adept at using PHP, Python, Java, and modern frameworks like Laravel, Django, and React. Seeking impactful opportunities to apply technical expertise in solving real-world problems while continuously growing 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

Web Developer – Supervised Industry Training (120 Hours)
June 2023 – August 2023

- 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
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 2024 – Present

- Built and deployed custom web applications for 3+ small businesses using PHP (Laravel) 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.

RFID Attendance with Balance Checker
PHP, IoT | Freelance Project
- Built an RFID-based attendance system with automated gate control and SMS notifications for student check-in/out.
- Added balance monitoring features, notifying parents about low funds and student status.
- Developed a responsive web application for school administrators to manage student data and track attendance in real time.

Match Skills – OpenGov Hackathon 2025 (17th Qualifier)
PHP | Facebook Misinformation Detection
- Created a skill-matching web application that connects professionals based on shared skills/interests.
- Integrated rating and communication systems to foster collaboration and networking.
- Implemented misinformation detection using Facebook data scraping and NLP filtering (concept prototype).

Other Key Projects
- **Camera App with Nudity Detection and Blurring**
  YOLOv8, JavaScript
  – Implemented AI-based nudity detection using YOLOv8, with automatic real-time blurring to protect user privacy.
- **Waste Management System with IoT**
  PHP, IoT
  – Developed a smart waste bin system that monitors bin status and sends fill-level alerts to a central dashboard.
- **Emergency Water Level Monitoring System**
  PHP, IoT
  – Created a flood warning system using ultrasonic sensors and IoT dashboard integration.
- **Inventory System with IoT**
  PHP (Laravel), IoT
  – Built a real-time inventory system with weight sensors for live stock updates and automated alerts.
- **Teacher Game (Web) & Student Game App (Mobile)**
  PHP, JavaScript
  – Designed a gamified learning platform for both teachers and students to enhance engagement and lesson retention.
- **Bill X-Changer**
  Arduino, C++
  – Programmed an Arduino-based coin and bill exchanger with basic transaction tracking.

- **Landslide Alert System**
  Arduino, C++
  – Built a tilt-sensor system that alerts nearby residents in the event of ground movement.
- **Parking Slot Monitoring System**
  IoT, PHP-Laravel
  – Developed a smart parking management system with real-time slot availability and booking.
- **Query Assistance System with Voice Recognition**
  PHP, JavaScript
  – Created a voice-enabled helpdesk platform for answering common queries interactively.
- **Steno Scanner**
  OCR, JavaScript
  – Implemented Optical Character Recognition to extract and log stenographic notes into a database.
- **Fall Detection System with Alert Notifications**
  Python, YOLOv8
  – Developed a real-time fall detection system with alert features using AI-powered video recognition.

CERTIFICATES & TRAINING
TECHNOLOGIES

Certifications & Awards
- Leadership Awardee – SLTCFI, June 2023
- NCIII JAVA Programming – NRG-Info Tech, Aug 2024
- Contact Center Servicing NCII – SL-Pioduran 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

SKILLS

- **Full-Stack Web Development** (Laravel, Django, MySQL)
- **IoT Integration** (Arduino, Sensors, Automation)
- **Mobile App Dev** (React Native, API integration)
- **Programming Languages**: PHP (3 yrs), Python (4 yrs), Java (2 yrs), JavaScript (3 yrs), C++ (1 yr)
- **Frameworks**: Laravel, Django, Bootstrap, Tailwind CSS, React.js
- **Tools**: Git, VS Code, Firebase, Postman