

JHERED MIGUEL C. REPUBLICA

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PROFESSIONAL SUMMARY

ISC2 Certified in Cybersecurity and aspiring Cybersecurity Professional pursuing a B.S. in Computer Engineering. Skilled in secure web and mobile application development using Next.js and Flutter, with a proven record of winning hackathons and delivering innovative, scalable solutions under pressure.

SKILLS

Core Backend Skills: Python, JavaScript, TypeScript, MySQL, PostgreSQL, RESTful APIs

Frameworks & Technologies: Next.js, React.js, Flutter, Node.js, Express.js, Flask, Flutter

Cybersecurity & Security Tools: Wireshark, Wazuh, Nmap, OpenEDR, OpenVAS, OWASP ZAP, Snyc

Cloud Platforms: DigitalOcean (IaaS, DBaaS/BaaS), Supabase, Google Cloud Platform

DevOps & Development Tools: Git, GitHub, Docker, CI/CD Pipelines, GitHub Actions, Postman, Jest

Also Familiar With: GitOps Workflows, DevSecOps Workflows, Secure SDLC Practices

EXPERIENCE

Vice Chief Executive Officer

Cisco NetConnect PUP - Manila

Nov 2025 - Present

Manila, Philippines

- Assisted in setting the organization's vision, goals, and operational strategy in alignment with Cisco NetConnect's mission and campus objectives
- Oversaw internal operations and coordinated across technical, marketing, and academic teams to ensure smooth execution of programs and initiatives.

Head of Engineering

Institute of Computer Engineers of the Philippines - PUP Manila

Sep 2025 - Present

Manila, Philippines

- Supervised the design, development, and deployment of engineering-related projects, tools, and platforms for the organization.
- Managed a team of student engineers, assigning tasks, mentoring members, and ensuring deadlines and quality standards were met.
- Conducted coding sessions, tutorials, and technical trainings for members to strengthen their programming and engineering skills.

PROJECTS

Lunti | Next.js, Supabase, TypeScript, RAG-analysis

October 2025 - December 2025

- Engineered a containerized development environment using Docker, ensuring consistent runtime behavior across the team and eliminating environment-related issues.
- Built the application using Next.js and React.js with JavaScript/TypeScript, delivering a scalable and maintainable web interface for ESG tracking.
- Utilized Supabase (PostgreSQL) for scalable backend services and real-time data handling, with supporting data processing and AI-driven ESG report generation.

Blockbayan | Next.js, Supabase

November 2025 - December 2025

- Developed the application using Next.js with TypeScript, ensuring a structured, type-safe, and scalable codebase.
- Utilized JavaScript LocalStorage to manage client-side data persistence and transaction state for a smooth user experience.
- Implemented transparent transaction tracking logic, enabling users to view and verify donation records within the application interface.

TAPCare | Flutter, DigitalOcean

June 2025 - February 2025

- Built TapCARE using the Flutter framework and Dart, delivering a cross-platform mobile application for emergency response within the school.
- Deployed backend services and API endpoints on DigitalOcean IaaS (Droplets), ensuring reliable availability for real-time emergency alerts.
- Utilized DigitalOcean DBaaS for secure, scalable data storage with automated backups to support the school's emergency and clinic operations.

CERTIFICATIONS

ISC² Certified in Cybersecurity (CC)

January 2026

Demonstrates foundational knowledge of cybersecurity principles, including security operations, networking fundamentals, risk management, incident response, and governance, aligned with industry best practices for entry-level cybersecurity roles.

IBM Cybersecurity Analyst

January 2026

Develops practical skills in security operations, threat intelligence, incident detection and response, vulnerability assessment, and log analysis, with hands-on experience using SIEM concepts and industry-standard security tools aligned with SOC analyst workflows.

Google Cybersecurity Professional

December 2025

Covers core cybersecurity fundamentals including threat analysis, security operations, risk management, incident response, and hands-on use of industry tools to identify, analyze, and mitigate security risks in real-world scenarios.

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EDUCATION

Polytechnic University of the Philippines
Bachelor of Science in Computer Engineering

- Pasig City Scholar
- SM Scholar
- DataCamp Scholar

Sta. Mesa, Manila
2024 - 2028