

JHERED MIGUEL C. REPUBLICA

+63 962 524 3097 | jheredmiguelrepublica14@gmail.com | Portfolio: jhered.me | Github: [red-sakai](https://github.com/red-sakai)

SKILLS

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

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

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

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

ADPH Registration Website | Next.js, Supabase

January 2026 - March 2026

- Developed and deployed an event registration platform using Next.js and Supabase, successfully supporting **1,000+ registrants** while maintaining a fast and responsive user experience.
- Made the event website creation and system architecture, managing both the frontend and backend infrastructure to ensure reliability throughout the registration period.
- Implemented a load-balanced deployment, enabling the platform to handle **25,000+ requests without downtime or crashes**, ensuring stable performance during peak traffic.

Lunti | Next.js, Supabase, 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.

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

Red Team Leaders - Certified Threat Intelligence & Governance Analyst (CTIGA)

February 2026

Demonstrates foundational knowledge of cybersecurity and information assurance concepts, including threat awareness, basic security practices, and ethical standards, aligned with CTIGA's professional development framework.

NexusCloud IT Solutions Inc. - Cisco Certified Networking Associate (CCNA) 200-301 Training Certificate

February 2026

Demonstrates practical training in networking fundamentals, including IP addressing and subnetting, VLANs, routing and switching concepts, basic network security, and Cisco device configuration, aligned with the CCNA 200-301 curriculum.

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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COMPETITIONS

1st Runner Up

PUP Uthack ang Puhunan

December 2025

- Achieved 1st Runner-Up with **Lunti**, an ESG-focused platform, and received **₱30,000 in prize winnings** during the competition.

Top 5

PUP ICTO Technology Fest

November 2025

- Achieved Top 5 with **Blockbayan**, a blockchain donation based system where it is focused for helping people who got affected by disasters, and received **₱3,000 in prize winnings** during the competition.

EDUCATION

Polytechnic University of the Philippines

Bachelor of Science in Computer Engineering

Sta. Mesa, Manila

2024 - 2028

- Pasig City Scholar
- SM Scholar
- DataCamp Scholar