

# JHERED MIGUEL C. REPUBLICA

## BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

09625243097

jheredmiguelrepublica14@gmail.com

### EDUCATION

#### Bachelor of Science in Computer Engineering

Sep 2024 - Present

Polytechnic University of the Philippines

#### Science, Technology, Engineering, and Mathematics (STEM)

Jun 2022 - May 2024

Rizal High School

### EXPERIENCE

#### Vice Chief Executive Officer

Nov 2025 - Present

Cisco NetConnect PUP - Manila

- Strategic Leadership: Assisted in setting the organization's vision, goals, and operational strategy in alignment with Cisco NetConnect's mission and campus objectives.
- Organizational Management: Oversaw internal operations and coordinated across technical, marketing, and academic teams to ensure smooth execution of programs and initiatives.
- Program Oversight: Led the planning and implementation of workshops, webinars, and Cisco-related learning activities to enhance members' networking and cybersecurity competencies.

#### Head of Engineering

Sep 2025 - Present

ICPEP SE - PUP Manila

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

### PROJECT EXPERIENCE

#### Lunti

Nov 2025 - Present

##### 1st Runner Up at PUP: Uthack ang Puhunan Hackathon

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

#### BlockBayan

Oct 2025 - Nov 2025

##### Top 4 at PUP Technology Fest Hackathon

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

#### TapCARE

June 2025 - Present

##### Commissioned by Rizal High School students which the school has adopted

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

# JHERED MIGUEL C. REPUBLICA

## BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

09625243097

jheredmiguelrepública14@gmail.com

---

### TECHNICAL SKILLS

- Cloud & Backend Platforms: DigitalOcean (IaaS & DBaaS), Supabase (PostgreSQL), Google Cloud Platform (Basics)
- DevOps & Infrastructure: Docker, GitOps workflows, CI/CD pipelines, GitHub Actions
- Development & Frameworks: Python, JavaScript/TypeScript, SQL, Next.js, React.js, Flutter, Dart

### CERTIFICATIONS

#### Google Professional Cybersecurity

*Coursera*

- Certification Track: Currently completing the Google Professional Cybersecurity Certificate through Coursera.
- Core Skills: Developing hands-on knowledge in cybersecurity fundamentals, risk management, threat analysis, and security tools.
- Professional Preparation: Building practical skills aligned with entry-level cybersecurity roles and industry best practices.