



# ERVIE JOHN VILLAREAL

## COMPUTER ENGINEER

A Full-Stack Developer with junior-level experience as a System Engineer, working across web and mobile development, and helping maintain secure, high-availability Linux server environments. Skilled in system monitoring, SSL/DNS management, automated backups, and providing technical support and troubleshooting with a problem-solving mindset.

### CONTACT

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- +639765527288
- Caloocan City
- <https://erviepogi.github.io/portfolio>

### EDUCATION

- Technological Institute of the Philippines  
*BS Computer Engineering*  
Completed in 2022
- St. Theresa's School of Novaliches  
*STEM*  
Completed in 2018

### DESIGN PROJECT COMPLETED

- Design of Anomaly Detection System of Household Electricity Consumption - 2022
- Detection of Blood Quantity using Image Processing - 2021
- A Management Tool Software for RL Land Registration Services with Database Management System - 2021
- Cyber Attacks During the Pandemic and Awareness of Filipino about Cybersecurity, Technological Institute of the Philippines Quezon City - 2021

### EXTRA AND CO-CURRICULAR ENGAGEMENT AND VOLUNTEER WORK

- Participant in the PNP – ITMS Hackathon 2022 at Camp Rafael Crame PNP General Headquarters 2022
- Working Online in Remotask – Annotating and Labeling objects 2021
- Participant in the BLUE HACKS 2020 at Ateneo De Manila University 2020

### WORK EXPERIENCE

#### ● Junior System Engineer *Space Logic | July 2024 – Present*

- Design, Deploy and Manage Servers (Linux)
- Maintain and monitor system performance, security, and availability
- Manage backups, disaster recovery, and patching processes
- Handled SSL certificate renewals and installations across Apache/Nginx
- Managed domain lifecycle and DNS configurations, including email authentication records (SPF, DKIM, DMARC)
- Provided L1-L3 support to client technical requests involving server downtime, email failures, and control panel access.

I have acquired practical experience in maintaining secure and high-availability Linux server environments, handling end-to-end tasks such as system monitoring, SSL/DNS management, backup and recovery, and providing L1-L3 technical support to clients.

#### ● System Developer (Full-Stack Developer) *Web and Mobile Developer at Kasagana-Ka Cooperative (KCOOP) | June 2023 – April 2024*

- Handled web and mobile development
- Handled security and validation of API
- Trained an internship student to design a mobile development
- Resolved system and human errors
- Designed and published KCOOP website

I've learned a lot about web and mobile development, particularly with Ruby on Rails. It offers an easy, secure way to interact with databases using Ruby code.

### KNOWLEDGE, SKILLS, AND ATTITUDE

#### ● Skills

- Able to use different operating systems such as Windows/Linux
- Network Security and Automation
- Database Management
- Hardware Troubleshooting
- Network Troubleshooting
- Linux Bash Scripting
- SSL certificate management and renewal
- DNS management
- Basic firewall and port control
- Incident response and root cause analysis

#### ● Programming Languages

- Python
- Ruby/HAML
- PHP
- C and C++
- JavaScript/HTML/CSS

#### ● Characteristics

- Hardworking
- Time Management
- Creativity
- Collaboration
- Honest
- Problem Solving

#### ● Knowledge

- Django
- React Native / JS
- Next JS
- Express JS and Prisma
- Ruby on rails
- PyQt5
- Ansible
- Docker
- MySQL
- Patroni
- HaProxy
- Nginx
- Apache

#### ● Monitoring Tools

- Zabbix
- Cacti
- Slack
- Nagios / NagiosXI
- PagerDuty
- AWS CloudWatch

#### ● Others

- AWS EC2 / Zadara Instances
- AWS Route 53
- AWS SNS
- Cloudflare DNS
- CI/CD
- Plesk (Hosting)
- Postfix (MTA)

### SEMINARS AND TRAININGS ATTENDED

- Fortinet: FCF - Getting Started in Cybersecurity 3.0 – July 17, 2025
- Fortinet: FCF - Introduction to the Threat Landscape 3.0 – July 17, 2025
- Fortinet: FCF - Technical Introduction to Cybersecurity 2.0 – July 17, 2025
- Ethical Hacking and Pen Testing Workshop, October 21 – 22, 2023, MSTCONNECT PH
- FortinetNSE1: Information Security Awareness, February 24, 2022, Experts Academy
- FortinetNSE2: The Cybersecurity, March 10, 2022, Experts Academy
- Sophos Central Overview, March 16, 2022, Experts Academy
- Sophos Certified Engineer, March 29, 2022, Experts Academy
- FortinetNSE4: FortiGate Security 7.0 self-Paced, April 4, 2022, Experts Academy
- FortinetNSE4: FortiGate Infrastructure 7.0 Self-Paced, April 11, 2022, Experts Academy
- Mobile Application Development using React Native, December 4, 2021 – January 8, 2022
- Mobile Development, October 30, 2021, via Google Meet

"Invest in your future, connect with us!"



# CERTIFICATE OF COMPLETION

IS HEREBY PRESENTED TO:

## ERVIE JOHN T. VILLAREAL

For having successfully attended and completed the  
**8-HOUR TRAINING in "ETHICAL HACKING AND PENTESTING WORKSHOP:  
AN INTRODUCTION TO HACKING, PENTESTING, AND CYBERSECURITY"**  
via Zoom on the **21st and 22nd day of October 2023.**

**M.A. MASUSHIMA**  
Chief Executive Officer  
Founder



**ENGR. TIMOTHY MADRID**  
Chief Operations Officer  
Founder



**MR. CHRISTHOPHER ER LAYLO**  
Senior Security Compliance Analyst  
Specialist in Vulnerability Management (VM)  
Certified Digital Forensics Examiner (UC)  
Certified Ethical Hacker, CySA+

## COURSE OUTLINE:

### DAY 1:

- What is Security?
- Information Security
- Confidentiality, Integrity, and Availability
- Types of Hackers
- Authentication, Authorization, and Accounting
- Risk, Vulnerability, Asset, and Threat
  - Vulnerability Assessment vs Penetration Testing
- Manual vs Automated Security Test
  - DAST vs SAST
  - Security Tools
- Hacking Methodology
  - Reconnaissance
- Scanning & Gaining Access
- Maintaining Access & Clearing Tracks
- Introduction to Application Security
  - Application Security Scanning Requirements

### DAY 2:

- What is an API?
- HTTP Request and Response
- HTTP Request - Method, Headers, & Body
- HTTP Response - Method, Headers, & Body
  - Burp Suite Installation and Setup
  - HTTP Request and Response, Method, Headers, and Body
  - Burp Suite Installation and Setup
    - OWASP WSTG
  - Security Testing: OWASP Top 10
    - Broken Access Control
    - Cryptographic Failures
    - Injection & Insecure Design
    - Security Misconfiguration
  - Vulnerable and Outdated Components
  - Identification and Authentication Failures
    - Software and Data Integrity Failures
  - Security Logging and Monitoring Failures
    - Server-Side Request Forgery



# expertsacademy

Career Readiness

## CERTIFICATE

This is to certify that

# Ervie John Villareal

of Technological Institute of the Philippines Quezon City . has successfully completed the  
240 hours On-the-Job Training Program

### ON-THE-JOB TRAINING SECURITY PROGRAM

February 17 – June 10, 2022

The participant of this OJT Security Program is certified to have immersed and gained valuable experiences in  
the following field of works:

FORTINET INFORMATION SECURITY AWARENESS(NSE 1)

FORTINET THE EVOLUTION OF CYBERSECURITY (NSE 2)

SOPHOS CENTRAL OVERVIEW

SOPHOS CERTIFIED ENGINEER

SOPHOS CERTIFIED TECHNICIAN

FORTINET NSE 4

COMPTIA CLOUD ESSENTIALS+

TECHNOPRENUERSHIP

SECURITY AWARENESS PROGRAMM

Given this day June 06, 2022 at Experts Academy, Makati City

  
**Chris Benedict Limon**

Technical Manager

  
**Joseph Mark Aquino**

Experts Academy, President