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

- ✉ erviejohn.villareal79@gmail.com
- 📞 +639765527288
- 📍 Caloocan City
- 🌐 https://resume.erviejohn.online

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
- Trained an internship student to design a mobile development
- 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

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

Programming Languages

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

Others

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

Characteristics

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

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
- Fortinet NSE1: Information Security Awareness, February 24, 2022, Experts Academy
- Fortinet NSE2: The Cybersecurity, March 10, 2022, Experts Academy
- Sophos Central Overview, March 16, 2022, Experts Academy
- Sophos Certified Engineer, March 29, 2022, Experts Academy
- Fortinet NSE 4: FortiGate Security 7.0 self-Paced, April 4, 2022, Experts Academy
- Fortinet NSE 4: 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

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. CHRISTHOPER 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