



# 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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- ☎ +639653518716
- 📍 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
- Resolved security and validation of API
- Trained an internship student to design a mobile development
- 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
- 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

**This acknowledges that  
Ervie John Villareal  
successfully completed the course  
FCF - Getting Started in Cybersecurity 3.0**



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**Rob Rashotte**  
VicePresident, Fortinet Training Institute

**Date: July 17, 2025**

**This acknowledges that  
Ervie John Villareal  
successfully completed the course  
FCF - Introduction to the Threat Landscape 3.0**



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**Rob Rashotte**  
VicePresident, Fortinet Training Institute

**Date: July 17, 2025**

**This acknowledges that  
Ervie John Villareal  
successfully completed the course  
FCF - Technical Introduction to Cybersecurity 2.0**



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**Rob Rashotte**  
VicePresident, Fortinet Training Institute

Date: July 17, 2025

# Certificate of Course Completion

*Ervie John Villareal*

*has successfully achieved student level credential for completing the Introduction to Cybersecurity course.*

*The student was able to proficiently:*

- *Explain the basics of being safe online, including what cybersecurity is and its potential impact.*
- *Explain the most common cyber threats, attacks, and vulnerabilities.*
- *Explain how to protect oneself while online.*
- *Explain how organizations can protect their operations against these attacks.*
- *Access a variety of information and resources to explore the different career options in cybersecurity.*



Scan to Verify

*Lynn Bloomer*

Lynn Bloomer  
Director, Cisco Networking Academy

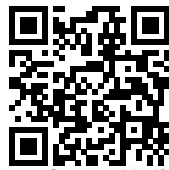
# Certificate of Course Completion

ERVIE JOHN VILLAREAL

has successfully achieved student level credential for completing  
the Introduction to Cybersecurity course.

The student was able to proficiently:

- Explain the basics of being safe online, including what cybersecurity is and its potential impact.
- Explain the most common cyber threats, attacks, and vulnerabilities.
- Explain how to protect oneself while online.
- Explain how organizations can protect their operations against these attacks.
- Access a variety of information and resources to explore the different career options in cybersecurity.



Scan to Verify

*Laura Quintana*

Laura Quintana  
Vice President and General Manager  
Cisco Networking Academy

AUGUST 20, 2024





**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*



**EXPERTS ACADEMY**  
CAREER SUCCESS GUARANTEED

# CERTIFICATE OF COMPETENCY

This is to certify that

**Ervie John Villareal**

has completed the  
**On-the-Job Training Security Program**  
offered by  
**EXPERTS ACADEMY FOR APPLIED IT INC.**

June 10, 2022

Date Awarded

  
**Chris Benedict Limon**  
Technical Manager

  
**Joseph Mark Aquino**  
Experts Academy, President

 **ON-THE-JOB TRAINING  
SECURITY PROGRAM**



# Certificate of Course Completion

*Ervie John Villareal*

*has successfully achieved student level credential for completing the DevNet Associate course.*

*The student was able to proficiently:*

- *Use basic Python programming and Linux skills.*
- *Implement a development environment using DevNet resources.*
- *Use software development and design best practices.*
- *Create REST API requests over HTTPs to securely integrate services.*
- *Explain the processes and devices that support network connectivity.*
- *Use current technologies to deploy and secure applications and data in a cloud environment.*
- *Compare software testing and deployment methods in automation and simulation environments.*
- *Compare Cisco platforms used for collaboration, infrastructure management, and automation.*



*Lynn Bloomer*

Lynn Bloomer  
Director, Cisco Networking Academy

# Certificate of Course Completion

*Ervie John Villareal*

*has successfully achieved student level credential for completing the CCNA: Enterprise Networking, Security, and Automation course.*

*The student was able to proficiently:*

- *Configure single-area OSPFv2 in both point-to-point and multiaccess networks.*
- *Explain how to mitigate threats and enhance network security using access control lists and security best practices.*
- *Implement standard IPv4 ACLs to filter traffic and secure administrative access.*
- *Configure NAT services on the edge router to provide IPv4 address scalability.*
- *Explain techniques to provide address scalability and secure remote access for WANs.*
- *Explain how to manage, optimize, monitor, and troubleshoot scalable network architectures and protocols.*
- *Explain how networking devices implement QoS.*
- *Explain how technologies such as virtualization, software defined networking, and automation affect evolving networks.*



*Lynn Bloomer*

Lynn Bloomer  
Director, Cisco Networking Academy

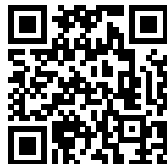
# Certificate of Course Completion

ERVIE JOHN VILLAREAL

has successfully achieved student level credential for completing  
the Cybersecurity Essentials course.

The student was able to proficiently:

- Describe the tactics, techniques and procedures used by cyber criminals.
- Describe the principles of confidentiality, integrity, and availability as they relate to data states and cybersecurity countermeasures.
- Describe technologies, products and procedures used to protect confidentiality, ensure integrity and provide high availability.
- Explain how cybersecurity professionals use technologies, processes and procedures to defend all components of the network.
- Explain the purpose of laws related to cybersecurity.



Scan to Verify

*Laura Quintana*

Laura Quintana  
Vice President and General Manager  
Cisco Networking Academy

JANUARY 20, 2021