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 | **June 2023 - April 2024***

- 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

FORTINET
Training Institute

This acknowledges that

Ervie John Villareal

successfully completed the course

FCF - Getting Started in Cybersecurity 3.0

Rob Rashotte
VicePresident,Fortinet Training Institute

Date:July 17, 2025

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Training Institute

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FCF - Introduction to the Threat Landscape 3.0

Rob Rashotte
VicePresident,Fortinet Training Institute

Date:July 17, 2025

F:::RTINET.
Training Institute

This acknowledges that

Ervie John Villareal

successfully completed the course

FCF - Technical Introduction to Cybersecurity 2.0

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

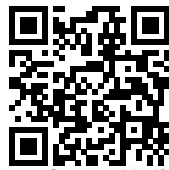Lynn Bloomer
Director, Cisco Networking Academy

Issued on: Aug 20, 2024

Networking Academy
CISCO

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Networking Academy
CISCO
Verified

Introduction to
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

EXPERTSACADEMY
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**

CISCO Networking Academy

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.

CISCO Networking Academy
Verified
DevNet Associate

Lynn Bloomer

Lynn Bloomer
Director, Cisco Networking Academy

Issued on: Feb 03, 2022

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
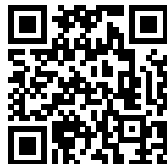Director, Cisco Networking Academy

Cisco Networking Academy
Verified
CCNA: Enterprise Networking, Security & Automation

Issued on: Sep 03, 2021

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CISCO 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.

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CISCO Academy
Verified
Cybersecurity Essentials

Scan to Verify

Laura Quintana

Laura Quintana
Vice President and General Manager
Cisco Networking Academy

JANUARY 20, 2021