

ERVIE JOHN VILLAREAL

COMPUTER ENGINEER

A programmer with knowledge of Full-Stack Software Development and experience in both web and mobile development. Focused on using technical skills and smart problem-solving approaches to work on different projects in the tech world while also contributing to the organization's growth.

CONTACT

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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

● 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

- 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