

# Julius Wayne C. Aloro

+63 920 783 8392 | [LinkedIn](#) | [juliuswaynealoro@outlook.com](mailto:juliuswaynealoro@outlook.com)

## TECHNICAL SKILLS

**AWS Cloud:** EC2, RDS, EBS, ALB, NLB, Route53, Systems Manager, CloudWatch, IAM

**Oracle Cloud:** Oracle Exadata, ExaCC

**Infrastructure Management (IaC):** Terraform, Ansible

**Containerization:** Docker, Kubernetes

**Operating Systems:** Linux (RHEL, Ubuntu, Debian), Windows

**Programming Language:** Python, BASH

**Web Development:** HTML, CSS

**Networking:** VPC, Security Group, Load Balancing, Subnetting

**Monitoring and Logging:** SolarWinds, CloudWatch, Dynatrace, Splunk

**CI/CD:** Git, Gitlab

## EXPERIENCE

### Site Reliability Engineer

February 2023 - Present

*BDO Unibank*

*Davao City, PH*

- Collaborated with the platforms team for the integration of 300+ EC2 servers into systems manager for centralized management
- Implemented the upgrade of the company's CI/CD pipelines by commissioning and configuring self-hosted Gitlab in a multi-AZ server infrastructure running in AWS EC2 and EKS
- Successfully migrated a flagship banking application's on-premises database servers to Oracle Cloud, achieving a 30-50% increase in server performance and eliminating monthly incidents previously averaging 10+
- Automated EBS volume snapshot process for cyclic OS patching saving 15-30 minutes per server
- Led the decommissioning of over 100 EC2 and bare metal servers and served as primary point of contact for all decom processes
- Administered and maintained diverse set of more than 700 Linux servers, including bare metal and cloud environments
- Managed production servers, including application deployment, incident management, and server configuration adjustments
- Communicate with different IT teams for project implementation strategies and technical discussions

### Network Monitoring Analyst

2016 - 2023

*BDO Unibank*

*Davao City, PH*

- Provided 2nd level network support for MPLS and SD-WAN connectivity to more than 1200 local offices, including international sites in Hong Kong and Macau
- Proactively monitored and resolved incident tickets, consistently achieving over 96% SLA compliance annually
- Collaborated with service providers to expedite connectivity issue resolutions and implemented network infrastructure upgrades for remote branch offices

### System Administrator

2015 - 2016

*One Network Bank*

*Davao City, PH*

- Conducted proactive testing of company backups, ensuring 100% functionality and eliminating data loss risks
- Installed, troubleshoot, and escalated incidents for Windows Server 2012 infrastructure
- Monitored scheduled SQL jobs, manually executed them as needed, and conducted post-backup verification and testing
- Proactively monitored ATM and POS server transactions, swiftly remediated technical issues, reducing the bank's failed transactions to 1%
- Monitored data center facilities including HVAC, UPS, humidity, and server temperature to ensure optimal environmental conditions

## PROJECTS

[Personal Website / Online Resume](#) | *HTML, CSS, S3, Cloudfront, Route53, ACM*

July 2024

- Created a personal website with domain registered in Route53 ([juliusaws.info-cloud.com](http://juliusaws.info-cloud.com))
- Static contents are stored in S3 and is published via a Cloudfront distribution

Linux File System Backup Script | *Python, Boto3*

April 2024

- Developed a python script for automated daily, weekly, and monthly backup and archiving of Linux directories
- Stores archives in an S3 bucket with a 1-year retention period, automatically deleting backups older than 1 year

EBS Volume Snapshot Script | *Python, Boto3*

March 2024

- Created python script for mass snapshot creation of EBS volumes attached in an EC2 instance
- Automated tagging and naming of snapshots

Terraform Module for Multi-AZ EC2 and RDS Deployment

January 2024

- Developed Terraform configuration files from scratch to implement a multi-AZ architecture including VPC, subnets, security groups, EC2 instances, and RDS databases
- Modularized all created resources for enhanced reusability

## EDUCATION

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### University of the Immaculate Conception

Bachelor of Science in Information Technology - Major in Computer Networks | 2015

Davao City, Philippines