Julius Wayne C. Aloro

Davao City 8000, Philippines

📞 +63 920 783 8392 | 💼 Linkedin | ✉ juliuswaynealoro@outlook.com

TECHNICAL SKILLS

AWS Cloud: EC2, RDS, EBS, ALB, NLB, Route53, Systems Manager, CloudWatch, IAM
VMware: vSphere, vCenter, ESXi
Oracle Cloud: Oracle Exadata / ExaCC
Infrastructure Management (IaC): Terraform
Containerization: Docker, Kubernetes
Operating Systems: Linux (RHEL, Ubuntu, Debian), and Windows
Programming Languages: Python, BASH
Web Development: HTML, CSS
Networking: AWS VPC, Security Groups, Load Balancing, Subnetting, Firewall and Proxy
Monitoring: SolarWinds, CloudWatch, Dynatrace, Splunk
CI/CD: Git, GitLab

EXPERIENCE

Site Reliability Engineer
BDO Unibank • Davao City, Philippines   February 2023 – Present

- Primarily set up Linux application and database servers from non-production to production environments
- Provisioned AWS resources such as S3, EC2, Load Balancers, EBS, EFS, EKS
- Administered more than 1000 bare metal/cloud Linux servers, executed application deployment, incident management, and server configuration adjustments
- Communicated with different IT teams for project implementation strategies and technical discussions
- Led the decommissioning of 150+ servers and served as primary point of contact for all server cleanup processes
- Automated EBS snapshot process for cyclic OS patching saving 15-30 working minutes per server using python
- Onboarded over 400 EC2 servers into AWS Systems Manager, streamlining centralized management
- Upgraded and configured the company's CI/CD pipelines using self-hosted GitLab in a multi-AZ AWS environment utilizing mainly EKS and EC2, resulting in 50% faster deployment times
- Migrated one of the bank's flagship application database servers from on-premises to Oracle Cloud, achieving a 50-60% increase in server performance and eliminating monthly server downtimes previously averaging 10+
- Reduced the company's cloud expenditure costs by 500k – 600k by identifying and cleaning up of unused cloud resources

Network Monitoring Analyst
BDO Unibank • Davao City, Philippines   2016 – 2023

- Troubleshot network equipment issues and occasional end-user hardware difficulties
- Provided 2nd level network troubleshooting for MPLS and SD-WAN connectivity to more than 1200 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
One Network Bank • Davao City, Philippines   2015 – 2016

- Mainly managed physical backups and conducted proactive testing of backups, ensuring 100% functionality and eliminating data loss risks
- Monitored scheduled SQL jobs, manually executed them as needed, and conducted post-backup verification
- Installed, troubleshoot, and escalated incidents for Windows Server 2012 infrastructure
- Monitored data center facilities including HVAC, UPS, and humidity to ensure optimal environmental conditions

PROJECTS

Personal Website / Online Resume | *Terraform, Gitlab CI/CD , HTML, CSS, S3, CloudFront, Route53, ACM*   July 2024
- Created a personal website with domain registered in Route53 (juliusaloro.into-cloud.com)
- Static contents are stored in S3 and is published via a CloudFront distribution
- Written the whole infrastructure in a reusable Terraform module
- Integrated the terraform module into a Gitlab CI/CD pipeline where creation of infrastructure, upload of website files, cloudfront invalidation, and cleanup of resources are automated

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 customized modules to implement a multi-AZ architecture including VPC, subnets, security groups, EC2 instances, and RDS databases
- Modularized all created resources for enhanced reusability

EDUCATION

University of the Immaculate Conception • Davao City, Philippines
Bachelor of Science in Information Technology - Major in Computer Networks | 2015