

Christian Matira

Linux System Administrator

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EXPERIENCE

Cascadeo, Quezon City — Tier3 Engineer (GitHub)

NOV 2022 - PRESENT

Work with the GitHub infrastructure team to rapidly restore and maintain GitHub's infrastructure;

Address the critical and non-documented issues given to the team – either network engineering physical hardware and OS troubleshooting, or infrastructure management;

Create efficient and clear technical documentation on assigned issues for the team's future reference;

Mentor Tier 1 and Tier 2 members in accomplishing their tasks and improving their skills;

Adhere to all standard operating procedures (SOP) and to support Service Level Agreements (SLA);

Perform other tasks/duties as assigned

Fujitsu Philippines, Bonifacio Global City — Senior System Engineer

FEB 2022 - NOV 2022

Work with multiple teams to ensure process executes according to design and provides required reporting and action plans;

Delivers results in support of achieving the organization's Service Level Agreements;

Provides direction and oversight to less experienced team members;

Responsible for ensuring all process documentation is kept evergreen;

Perform other work-related tasks assigned by the manager;

DOST-ASTI, Quezon City — Science Research Specialist II (System Administrator)

DEC 2016 - FEB 2022

Act as Technical Lead for COARE;

Lead activities to plan, coordinate and implement network security measure in the COARE Facility in order to protect ASTI- and end user-owned data, software, and hardware;

Lead activities to monitor network and system performance in order to determine whether adjustments need to be made, and to determine

LANGUAGES

Filipino, English

PROJECTS

Computing and Archiving Research Environment — COARE

<https://asti.dost.gov.ph/coare/wiki/Main/about-coare/service-catalogue>

SKILLS

- Bash/Linux
- Python/Pandas
- Slurm
- OpenStack
- Ceph
- GlusterFS
- LustreFS
- MySQL
- PostgreSQL
- ELK
- Grafana
- Zabbix
- Ossec
- Ldap
- Docker
- Kubernetes
- Singularity
- Ansible
- Git
- Arista
- Extreme Networks
- Terraform

where changes will need to be made in the future;

Conduct user training as needed pertaining to HPC, Science Cloud and technologies related to COARE;

Gather data pertaining to COARE's needs, and use the information to identify, predict, interpret, and evaluate system and network requirements; and

Research new technology, and implement it or recommend its implementation.

EDUCATION

**University of Santo
Tomas, Manila — B.S
Applied Physics**

JUN 2012 - JUN2016

CERTIFICATIONS

AWS Cloud Practitioner

JUL 2023

Microsoft Azure Fundamentals AZ-900

MAY 2022

Extreme Certified Specialist – CAMPUS EXOS SWITCHING AND ROUTING

MAY 2018

ACHIEVEMENTS

Have successfully built the following:

HPC:

- SLURM Scheduler
- LustreFS File System
- Glusterfs File System for distributed file storage
- High Available Percona Xtradb database
- Installed various applications for researchers

Openstack:

- Openstack for IAAS Cloud computing service
 - Keystone
 - Nova
 - Neutron
 - Glance
 - Placement
 - Cinder
 - Horizon
 - Rabbitmq cluster
- Ceph for Block and File application
- Openstack swift for object storage applications.

Automation/Scripting:

- Clonezilla TFTP service for PXE network boot.
- Python scripts for generating status reports and pushing the results to database
- Ansible scripts in automating configuration/deployments
- Terraform to deploy various cloud resources for training and demonstration purposes

Monitoring:

- High Available zabbix server across multiple physical Datacenter sites.

- ELK+Wazuh+Ossec for security monitoring

Others:

- Gitlab server
- CI/CD pipelines using gitlab to automate/simplify Singularity container builds