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# HAZROL NAIM

<https://www.linkedin.com/in/hazrolnaim/>  
<https://github.com/hazrolnaim>  
naim@hazrolnaim.com | +6011 2612 5098  
Selangor, Malaysia

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## WORK EXPERIENCE

### Platform Engineer

Merchantrade Asia

Selangor, Malaysia

August 2023 - Present

#### Responsibilities:

- Server provisioning, configuration, and maintenance
  - VMware VCenter
  - VMware VSphere / ESX / ESXi
  - Redhat Enterprise (RHEL)
  - CentOS 7
- Scripting to automated daily tasks
  - Bash Scripting
- Maintaining CIS compliance
  - Fine-tuning the system and kernel to prevent exploit
- Supporting BAU user and Developer
  - Work closely with them in meeting their need, in terms of server provisioning, maintenance, or daily support

#### Accomplishment:

- Automated CIS compliance fine-tuning by utilizing a Bash scripting

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## System Administrator

Anima Vitae Point  
Selangor, Malaysia  
November 2015 - August 2023

### Responsibilities:

- Server infrastructure setup, configuration, and maintaining
  - Ubuntu Linux
  - Saltstack
  - PXE Boot
  - DHCP Server
  - DNS (Bind9) Server
  - Git Repository (Bitbucket/Github/Local)
  - License Servers (Reprise RLM, Houdini Sesictrl, Flexnet)
  - Expedat
  - ZFS Filesystem
  - NFS Server
  - MooseFS File Distributor cluster
- Virtualization
  - Proxmox Virtual Environment
  - Docker / Docker Compose
  - LXC / LXD
- Cloud
  - AWS EC2 (VM)
  - AWS VPC (IPSEC)
  - Google Cloud Platform
- Level 3 IT Support
  - Windows, MacOS, and Linux
  - Zammad Helpdesk Ticketing System
  - Meshcentral
  - SSH
  - NoMachine
  - Google Workspace
- Team Lead
  - Manage and supervise the IT team

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- Network infrastructure setup, configuration, and maintaining
  - Migration from Cisco ASA 5516-X to virtualized firewall, OPNsense
    - Configure PPPoE for New ISP
    - IPSEC site-to-site VPN to Europe site
    - IPSEC site-to-site VPN to AWS VPC
    - IPSEC site-to-site VPN to Perimeter81
    - OpenVPN for remote artists
    - NAT configuration
  - Configuring a VLAN for multiple purposes
    - 1 x Arista 7050TX
    - 1 x Cisco Catalyst 3560E
    - 4 x Arista 7010T
    - 1 x Cisco SG300
  - Configuring a breakout from QSFP+ to SFP+
- Render farm setup, configuration, and maintaining
  - Configure automated system installation using PXE and Saltstack
  - Afanasy node
  - MooseFS cluster members (for some of the nodes. The rest are entirely for render only)
  - NFS mount from Infra
- Workstation setup and configuration
  - Ubuntu Linux
    - XFCE
    - Cinnamon
  - Configure automated system installation using PXE and Saltstack
  - NFS mount from Infra
- Centralized software (full/partially) using Rez package management
  - Maya
  - Houdini
  - Nuke
  - Discord
  - DaVinci Resolve
  - Krita
  - Mari
  - Steam Substance Painter 2022
  - Sublime Text 3
  - ZBrush (thru Wine)

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- Research and manage IT inventory and purchasing
  - Software licensing
  - Workstation hardware
  - Server hardware
  - Network hardware
  - Snipe-IT (Inventory Management System)
- Scripting to automated daily tasks
  - Bash Scripting
  - Python

## **Accomplishment:**

- Configured and maintained over 100+ workstations & 150+ servers and render nodes that run 100% on Ubuntu Linux operating system
- Written lots of shell scripts (Bash) and Python scripts to help lighten up the burden of monitoring and managing workstations and servers by making them automated
- Reduces operational costs by up to 90% by converting a physical router into a virtual router (OPNsense)
- Utilizing Arista, Cisco and Dell switches to link 4 offices with separate VLANs for workstations, render nodes, and servers
- Making use of PXE boot, SaltStack & Rez package management to automate the installation and configuration of workstations, render nodes, and servers
- Connecting local studio with Helsinki's with a site-to-site VPN for easy collaboration
- Utilizing an OpenVPN to deploy a VPN solution for WFH artists and vendors
- Configured an LXC container to run Expedat, a high-performance FTP alternative service, to maximize usage of network bandwidth for downloading and uploading
- Deployed multiple Docker containers on AWS to run internal usage applications consisting of a ticketing system, inventory system, and a complete computer management platform
- Configured a distributed file system cluster to house more than 500TB of the company's project files
- Responsible for in-house DHCP, DNS, Apache, and NIS servers to have a centralized system so that every artist can work from any workstation, and not be limited to only 1 single workstation
- Utilizing an Archiware P5 to archive completed projects to LTO tapes for safekeeping

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## WORK EXPERIENCE

### System Administrator

Netccentric

Kuala Lumpur, Malaysia

November 2011 - April 2014

#### Responsibilities:

- Server infrastructure setup, configuration, and maintaining
  - CentOS 6
  - Apache Web Server
  - MySQL Database Server
  - OpenVPN
  - cPanel & WebHost Manager (WHM)
- Scripting to automated daily tasks
  - Bash Scripting
- IT support for users
  - Windows and MacOS

#### Accomplishment:

- Migrated the company's website (nuffnang.com & churpchurp.com) and databases running on CentOS Linux operating system in multiple countries (Malaysia, Singapore, Philippines) with a very minimal downtime
- Deployed a high-availability cluster for the company's website and databases to load balance the traffic and make sure the website is always available
- Successfully deployed a VPN for secure access to all of the company's servers
- Wrote lots of Bash scripts to monitor the servers and to automate a databases backup every night

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## WORK EXPERIENCE

### **Jr. System Administrator**

Szar Solutions  
Kuala Lumpur, Malaysia  
April 2011 - November 2011

#### **Responsibilities:**

- Monthly Preventive Maintenance on the company's clients' sites
- Research and configure solutions and servers as per client's requirements
- Provide training to clients' users from time to time

#### **Accomplishments:**

- Migrated Malaysia's Ministry of Higher Education (MOHE) web and email servers
- Help configure a backup solution for MOHE, utilizing a FreeBSD-based, FreeNAS (now known as TrueNAS) operating system
- Conducted 3 days cPanel training to IT Technician of MOHE's Community College

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### **IT Technical Support**

iLaunch Sdn Bhd  
Penang, Malaysia  
April 2010 - December 2010

#### **Responsibilities:**

- IT support and Preventive Maintenance for Penang's Department of Lands and Mines
- Monitor server's disk usage and logs
- Provide IT training to users from time to time

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## WORK EXPERIENCE

### Assistant Restaurant Manager

KFC (M) Holding  
Penang, Malaysia  
January 2008 - April 2010

#### Responsibilities:

- Oversee daily operations of a high-volume KFC restaurant, ensuring smooth and efficient service delivery
- Maintaining high standards of food quality, safety, and cleanliness, ensuring compliance with KFC's policies and health regulations
- Monitors and analyze financial performance, controlling costs, optimizing inventory, and maximizing profitability
- Manage a team of 30+ employees, including recruitment, training, scheduling, and performance evaluations

### Restaurant Crew

KFC (M) Holding  
Penang, Malaysia  
July 2006 - January 2008

#### Responsibilities:

- Kitchen (Main product)
  - Prepare and cook food items according to KFC's recipes and standards, ensuring consistent quality
- Kitchen (Secondary product)
  - Assemble orders accurately and efficiently, while adhering to portion control guidelines
- Cashier
  - Greet and assist customers with their orders, providing friendly and efficient service
  - Operate cash register & POS system, processed transactions, and handled cash accurately
  - Handle customer inquiries, concerns, and complaints with professionalism and a focus on customer satisfaction
- Follow food safety and hygiene procedures, ensuring compliance with health regulations

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### Marketing Officer

Regal Pac  
Perak, Malaysia  
April 2006 - June 2006

#### Responsibilities:

- Liaise with Royal Malaysian Navy officer for spare parts and services

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## WORK EXPERIENCE

### Restaurant Crew - Kitchen (Part-Time)

KFC (M) Holding  
Perak, Malaysia  
December 2001 - March 2002

#### Responsibilities:

- Prepare and cook food items according to KFC's recipes and standards, ensuring consistent quality
  - Follow food safety and hygiene procedures, ensuring compliance with health regulations
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### Cashier and IT Support (Part-Time)

Shasha Internet Cafe  
Perak, Malaysia  
April 2000 - April 2001

#### Responsibilities:

- Operated cash register, processed transactions, and handled cash accurately
  - Responded to customer inquiries regarding internet access, gaming services, and troubleshooting technical issues.
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## EDUCATION

**UNITAR International University**  
Master in Information Technology

Selangor, Malaysia  
Jan 2024 - Ongoing

**Kedah Industrial Skills and Management Development Centre  
(KISMEC)**  
Network Security

Kedah, Malaysia  
Dec 2010 - Aril 2011

**Cosmopoint - Institute of Information Technology**  
Diploma of Information Technology

Perak, Malaysia  
May 2003 - June 2006



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## TECHNICAL SKILLS

### Operating System:

Linux: RedHat (RHEL), Ubuntu, CentOS, Debian  
Windows: Windows 11, 10, 7, XP  
MacOS: Mojave, Catalina, Big Sur

### Networking:

Routing & Switching, Firewall  
Cisco ASA, Cisco Catalyst, Arista 7010T  
Arista 7050-TX, Dell EMC

### Servers/Services:

DHCP, DNS, Apache, NGINX, Cisco IOS  
Arista EOS, MooseFS, CGRU Afanasy. Rez  
ZFS, Zammad, Meshcentral, Snipe-IT

### Containerization:

Docker, Docker Compose, LXC/LXD

### Databases:

MySQL, MongoDB, Memcached, OrientDB  
High Availability, Replication

### Cloud:

AWS EC2, AWS VPC, AWS CloudWatch  
Linode, Google Cloud Platform

### Scripting:

Bash, Fish, Python

### Configuration Management:

Git, Github, Bitbucket, Saltstack, Ansible

### Backup/Archive:

Archiware P5, LTO tape

### Hardware:

Lenovo P620, Dell PowerEdge R630  
Supermicro FatTwin, Supermicro Workstation  
HP BladeSystem, HP ProLiant DL380

### Virtualization:

VMware VSphere, VMware VCenter, Proxmox  
KVM, QEMU, Vagrant, Oracle Virtualbox

### Suites:

Google Workspace