

HILMI AFIFI

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SUMMARY

Deeply passionate about DevOps and Cloud technologies. Over 4 years of hands-on experience in Linux server administration across multiple big tech companies in Indonesia. Responsible in building, deploying, managing infrastructure across diverse environments, including on-premises and cloud platforms such as AWS, GCP, and Azure. Skilled in CI/CD pipelines, both monolithic also microservices architectures. Currently hold 4x Google Cloud Platform (GCP) Certifications and the Kubernetes (CKA) Certification.

WORK EXPERIENCE

PT. Privy Digital Identity

Indonesia

DevOps Engineer

Apr 2023 - Present

- Successfully implemented deployment strategy to minimize downtime due the human error.
- Successfully implemented network architecture hub-and-spokes in a Google Cloud Platform.
- Successfully upgraded existing infrastructure including Kubernetes clusters and other related workload servers, with minimal downtime.
- Successfully migrated large MySQL and PostgreSQL databases to new instances while maintaining identical configurations.
- Participated in root cause analysis of system issues and created post-mortem reports to prevent future incidents.
- Contributed to the setup, deployment, management, and maintenance of scalable containerized microservice applications.
- Developed CI/CD pipelines for web-based also mobile-based application to streamline deployment and releases with minimal manual intervention.
- Continuously improved and up-to-date with the latest technologies and DevOps tools.
- Make sure uptime of apps is healthy by implement autoscaling also health checks.
- Ensuring Business-as-Usual (BAU) development operations apps is smooth.
- Collaborated closely with developers and stakeholders to handle daily operations.
- Maintained and wrote several knowledge-based, handbooks, and system architecture designs.
- Managing Cloud Infrastructure as well as On-Premises Infrastructure.
- Main Toolkit: Kubernetes, Docker, GitlabCI, FluxCD, HelmCharts, Terraform, Bash/Shell, Vault Hashicorp, GCP, AWS, RDBMS, Datadog, OPNsense, Nginx, Jira.

PT. DENEVA (DomaiNesia)

Indonesia

Technical System Specialist

Jul 2020 - Apr 2023

- Provide effective solutions and resolve technical issues reported by users.
- Problem solving issues across various frameworks such: JS (Node, React, Nuxt, Express), PHP (Laravel, CodeIgniter), Python (Django, Flask, FastAPI), Ruby, Go, WordPress.
- Taking down online frauds and handling internal system abuse inside servers.
- Configuring DDoS mitigation action with Web Application Firewall (WAF) security rules.

- Regist, install, reissue, renew certificates SSL/TLS encryption inside servers.
- Wrote some technical documentation, macros, knowledge-based and guidelines.
- Monitoring uptime servers entire hosting environment to ensure status is healthy.
- Migrated multiple website users across servers with minimal downtime.
- Perform some research and development about latest infrastructure Technologies.
- Deploy various shell scripts in all servers using Ansible to reduce manual repetitive tasks.
- Main Toolkit: Ansible Playbook, cPanel/WHM, WHMCS, Imunify360, CloudFlare, Docker, DNS, WPcli, Grafana, RDBMS, MongoDB, Redis, OpenNebula, Bash/Shell, Trello, Github.

PT. Jetorbit Teknologi Indonesia

Indonesia

System Administrator

Jan 2020 - Jul 2020

- Ensuring system stability and security by performing routine maintenance tasks.
- Migrating multiple website users across servers with minimal downtime.
- Implementing security hardening server by configure SSL certificates, RBAC, and firewalls.
- Develop a routine backup for accidentally overwritten and disaster recovery strategies.
- Configuring data storing technology using RAID10 also setting up replication for databases.
- Managing Dell iDRAC servers by fresh installations, configurations, and troubleshooting.
- Maintaining High Availability (HA) uptime of all servers before they occur.
- Main Toolkit: cPanel/WHM, WHMCS, DirectAdmin, Plesk, Ansible, Docker, Wazuh, ELK, Observium, JetBackup, SpamAssassin, CentOS, Ubuntu, CloudLinux, Nginx, Apache, LiteSpeed, RDBMS, CloudFlare, WPcli, DNS, HA-Proxy, Virtualizor, Proxmox.

PROJECT HIGHLIGHT

- Create a bash script to automatically identify, drop, then blacklist DDoS attack requests.
- Bootstrapping Kubernetes cluster from scratch using bash tools scripting.
- Integrating On-Premises Server with Cloud Servers using Cloud VPN and Mikrotik IPsec for Increasing Connection Security.
- Implementation of Snort as an Intrusion Detection System Using CentOS v7.7.1908.

FORMAL EDUCATION

University of Mercu Buana Yogyakarta	2021 - 2023
<i>Bachelor's Degree Informatics Engineering</i>	<i>GPA 3,80</i>
University of Amikom Yogyakarta	2017 - 2020
<i>Associate's Degree Informatics Engineering</i>	<i>GPA 3,88</i>

CERTIFICATION

- *The Linux Foundations* - **Certified Kubernetes Administrator (CKA)**
- *Google Cloud Platform* - **Professional Cloud Network Engineer (PCNE)**
- *Google Cloud Platform* - **Professional Cloud DevOps Engineer (PCDE)**
- *Google Cloud Platform* - **Professional Cloud Architect (PCA)**
- *Google Cloud Platform* - **Associate Cloud Engineer (ACE)**