

M Chalvin Wiradhika Zulfiarnitho

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TECHINICAL SKILLS

- **Programming Languages:** JavaScript, Go, Python, Bash, SQL
- **Operating Systems:** Windows Server, Linux
- **Cloud Platforms:** AWS, Azure, GCP, DigitalOcean
- **Virtualization & Orchestration:** VMware vSphere, Proxmox VE, Docker, Kubernetes
- **Automation & CI/CD:** Ansible, Helm, Terraform, Pulumi, GitLab CI, GitHub Actions, Jenkins, Argo CD
- **Networking:** Huawei Switches/Routers, TCP/IP, DNS, DHCP, VPN, VLAN, Fortinet, WAF, F5, Nginx
- **Monitoring & Logging:** Zabbix, Prometheus, Grafana, ELK Stack, Loki, Promtail, Netbox
- **Data Center Operations:** Hardware Maintenance, Preventive Maintenance, RMA Processes, Data Center Appliances (Servers, Racks, PDUs), Data Center Rack Migration
- **Office Network Setup:** LAN/WAN Configuration, Wi-Fi Deployment, Switch/Router Management

EDUCATION

President University, Indonesia 

2019 – 2023

- Bachelor of Science in Informatics (GPA: 3.30)
- **Relevant Coursework:** Operating System Design, Computer Network and Security, Computer Organization and Architecture.

WORK EXPERIENCES

IT Infrastructure Engineer, PT. GPay Digital Asia

August 2024 – present

- Administer VMware vSphere, Proxmox VE, Windows, and Linux servers, executing routine maintenance, patching, and upgrades to ensure system reliability and security.
- Manage Kubernetes clusters and Docker containers for application deployments, enhancing scalability and reducing downtime.
- Implement Ansible for configuration management, automating deployments across 100+ servers, and develop Python/Bash scripts to optimize and automate server configuration processes.
- Deploy Netbox for data center infrastructure management, improving IP address allocation, cabling documentation, and asset tracking for streamlined operations.
- Perform preventive maintenance and hardware repairs (e.g., replacing HDDs, PSUs, RAM, CPUs) on data center appliances, managing RMA with third-party vendors to minimize downtime.
- Deploy a Self-Hosted RustDesk Server for secure remote access, enabling efficient troubleshooting across multiple sites.
- Support data center rack migration projects, manage cable organization, and hardware installation to achieve zero data loss and minimal service disruption.
- Design and configure office network setups, deploying Ruijie and Ubiquiti (Unifi) appliances in a new office site to enhance connectivity for 100+ devices.
- Enhance DevOps pipelines by integrating infrastructure with GitLab CI and Helm for Kubernetes.
- Contribute to ISO 27001 compliance by maintaining detailed documentation and supporting security audits.

DevOps Engineer, Datasintesa 

August 2023 – August 2024

- Participated in 24/7 shift rotations, monitoring production environments with Zabbix, Grafana, and ELK Stack, swiftly resolving critical incidents to maintain system stability.
- Deployed services in production environments, collaborating with project managers and developers to enhance system reliability and performance.
- Built and maintained CI/CD pipelines using GitHub Actions and Jenkins, automating deployment workflows to improve efficiency.

- Developed Python scripts and cron jobs to automate tasks, including file transfers between FTP servers and MinIO, as well as database backups, reducing manual effort.

DevOps Engineer Intern, PT. BTPN Syariah Tbk

September 2022 – December 2022

- Created reusable Docker containers with integrated Bash scripts, streamlining integration into CI/CD pipelines and boosting deployment efficiency.
- Supported service deployments and migrations on RedHat OpenShift, managing configuration scripts to ensure seamless transitions and optimal performance.
- Researched ELK Stack and Kafka on local Kubernetes (minikube) clusters, enhancing log processing and analytics capabilities.





DevOps Engineer Intern, PT. XL Axiata Tbk

February 2022 – June 2022

- Automated unit tests and test coverage checks within CI/CD pipelines using Bash scripts, ensuring consistent code quality and reliability.
- Maintained a shared script library in GitLab, documenting processes in Confluence and Jira to support organizational collaboration.
- Generated monthly cloud cost optimization reports for AWS and GCP, identifying cost-saving opportunities.

PROJECTS

Chalvin Labs

- **Description:** Maintained a personal GitHub Organization focused on developing and deploying various infrastructure, tools, and DevOps practices, aimed at enhancing learning and practical skills.
- **Projects**
 - **Pulumi DigitalOcean** 
 - Implemented infrastructure as code (IaC) on DigitalOcean using Pulumi, enabling seamless management of cloud resources through code, and ensuring efficient provisioning, scaling, and management of resources.
 - **Ansible Kubernetes** 
 - Configured Kubernetes cluster deployment and management using Ansible, created Ansible roles for configuring each component, streamlining the process of setting up and maintaining Kubernetes.
 - **Terraform Azure** 
 - Developed Terraform scripts to manage and provision Azure resources, facilitating infrastructure as code (IaC) practices and enabling consistent, repeatable, and scalable cloud infrastructure deployments.
 - **Ansible Grafana Stack** 
 - Configured and deployed the Grafana monitoring stack using Ansible, providing a comprehensive monitoring and visualization solution for system metrics, and logs.

INTERESTS AND HOBBIES

- **Music:** Rock and jazz music enthusiast, proficient in playing guitar and bass.
- **Sports:** A tennis and volleyball player, actively participating in competitive matches.

ORGANIZATIONS

PUMA (President University Major Association), Student

2019 – 2020

Activity Division

- Coordinated non-academic activities, including sports and arts events, for 500+ students.
- Organized CSGO (Computing Sports and Games Olympiad) and managed volleyball teams for SPU (Sports Olympiad President University).

Vice Chairman of PUVC (President University Volleyball Club)

2020 – 2022

- Led recruitment efforts by producing promotional videos to attract new members.
- Organized weekly training sessions, friendly matches, and represented the club in regional tournaments.