Jodi Chris Jordan Sihombing

DevOps Engineer

PROFILE

Passionate about technology. My key interests are in linux system administration, cloud computing, virtualization, and systems security. Currently, I am very interested in microservices technology and devops tools for automation. The opportunity to gain new skills and work with various technologies is exciting to me.

CONTACT

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EDUCATION

Bachelor of Informatics Engineering Faculty of Computer Science, Brawijaya University, Malang (2015 - 2020), Cumulative GPA: 3,22

RESEARCH

Implementation of Distributed Denial of Service (DDoS) Attack Detection and Mitigation System using SVM Classifier on Software- Defined Network (SDN) :
https://j-ptiik.ub.ac.id/index.php/j-%20ptiik/article/view/6476

WORK EXPERIENCE

DEVOPS ENGINEER @ FINACCEL
November 2021 - Now

- Manage infrastructure in cloud environment (AWS, GCP, Alicloud)
- Setup and provision cloud resource using infrastructure as a code with terraform
- Setup and manage CI/CD for automate app deployment with bitbucket pipeline
- Containerized python, nodejs, golang app and deploy as microsevices with AWS Elastic Conatainer Service
- Deploy app as monolith service on aws EC2 and Google Compute engine.
- Setup network interconnetion and proxy to integrate with 3rd party (ipsec,haproxy)
- Manage monitoring system with prometheus, AWS cloudwatch, grafana, and elastic APM
- Setup logging system for app, web server, proxy with scalyr and fluentd

SYSTEM ENGINEER @ PRIMACOM INTERBUANA
August 2020 - November 2021

- Perform virtual machine administration on the virtualization platform using VMWare.
- Create backup jobs and retention policy to backup the production server using Veeam Backup and Replication.
- Install, configure, and maintain radius server integrated with mysql to provide centralized AAA system for customer and internal office.
- Develop REST API using python flask framework and deploy to production environment using apache and wsgi modules.
- Install and configure Rancid with CVS and subversion to provide network device configuration backup/differ.
- Maintain recursive DNS server (bind9) and authoritative DNS (pdns).
- Develop monitoring stack with grafana,prometheus, exporter, and alert manager to monitoring server resources
- Develop Elastiflow to collect and analyze various logs,monitor flow data on network device for traffic analysis and detect networthreat

ORGANIZATIONS

COMPUTER NETWORK LAB ASSISTANT @ FILKOM UB
March 2018 - December 2019

- Teaching students about computer network communication based on OSI layer and network packet analysis practice using Wireshark
- Conduct networking lab about basic network concept using GNS3
- Assist students in hands-on practice and review practical assignments

IKATAN MAHASISWA PECINTA ALAM @ IMPALA UB
December 2015

- Conduct activities related to nature and the environment
- Socializing environmental conservation and community service

SKILLS

- Linux Shell Scripting, file system, volume partition, systemd tools and utilities, networking, configuration, etc.
- Linux firewall: ufw, iptables, and firewall-cmd
- Infrastructure as a code with terraform
- Control version system with git, subversion and remote git repostory with bitbucket, github, gitlab
- Containerization using Docker: administrate container, create custom image with Dockerfile, persistent volume, docker network
- docker-compose: running multi-container, configure app stack using YAML file
- AWS Service : IAM, VPC, EC2, ECS, RDS, Elasticache, Cloudwatch, S3
- Google Cloud Platform: IAM, VPC, Compute engine, Cloud Storage, Cloud SQL, VPN
- Python programming: django, flask, python for networking
- TCP/IP Protocol based on TCP/IP and OSI model
- Network device configuration (cisco, juniper): VLAN, OSPF Routing, NAT, Tunneling, ACL/Policy
- Network traffic monitoring, flow monitoring, packet analysis

TRAINING

- Digitalent Scholarship, Fresh Graduate Academy (FGA) KOMINFO, Training theme: Cyber Security - 09/2019 –11/2019.
- Digitalent Scholarship, Online Academy (OA) KOMINFO, Training theme: CCNA Network Engineer - 06/2020 –08/2020.
- Docker Essential – cognitiveclass.ai
- Cloudflare Accredited Configuration Engineer - Cloudflare Partner
- Containers & Kubernetes Essentials – cognitiveclass.ai
- Openshift Administration I: Containers & Kubernetes-DO180 - Red Hat & Digitalent KOMINFO
- Architecting on AWS - AWS Training & Certification