

Huynh Thanh Dan

📍 Ho Chi Minh ✉️ htdan2k@gmail.com 📞 0365186378 🐙 ThanhDan 🌐 [HuynhThanhDan](#)

EDUCATION

Bachelor of Computer Networking

2018 - 2023

University of Science - VNUHCM, Viet Nam

KNOWLEDGE AND SKILL

- **Linux System and Networking Services:** Proficient hands-on experience with Linux-based systems. Managing, maintaining and operating services on Linux systems.
- **Virtualization:** Proficient in using virtualization platforms such as Proxmox, Virtualizor, Hyper-V, ESXi...
- **Cloud Management System:** Hands-on experience with vCenter, Morpheus, and HCI platforms, Proxmox Cluster; practical knowledge of deploying and operating services in AWS and Azure cloud environments.
- **Storage:** Have knowledge of using S3, Ceph, TrueNas, SAN...
- **Programming:** Proficient in Python, PHP, and Bash scripting.
- **CI/CD Tools:** Proficient with Jenkins, GitHub Actions, GitLab CI/CD.
- **Containerization and Container Orchestration:** Proficient in the deployment and management of applications using Docker and Docker Compose, Docker Swarm, Kubernetes (K8s) and OpenShift to scale and manage containerized workloads.
- **IaC and Automation Tool:** Experienced in using Ansible and Terraform to provision, configure, and manage infrastructure across on-premise and cloud environments.
- **Monitoring:** Proficient in using Grafana, Prometheus, Tempo, Loki, Otel, Zabbix, and ELK to centrally monitor multiple servers or tracing API/APP.
- **Solution Design:** Design system solutions to meet the needs for new construction or optimization of existing systems.
- **API Gateway:** Experienced in implementing and operating IBM API Connect, Node-RED, and Kong Gateway, covering design, deployment, integration, monitoring, and performance tuning.
- **Red Hat Services:** Experienced in deploying and managing OpenShift and Ansible Automation Platform (AAP) in secure, stable, and scalable on-premise environments.
- **Red Hat Ecosystem:** Manage the operating system lifecycle, patching, compliance, and enterprise automation platforms through Redhat Satellite.

WORKING EXPERIENCE

System Administrator

2022 – 10/2024

VinaHost Ltd, Viet Nam

- **Manage, research and deploy load balancing for internal systems:** Upgrade the load capacity of the server system and optimize the security of the database system.
- **Manage and integrate additional technology into the service system:** Ensure system stability, integrate additional technology, and automate system control with bash scripts, extend the system with cloud services.
- **Operate Logging System:** Set up a centralized monitoring and logging system to monitor and alert as needed with Grafana, Zabbix, and ELK.
- **Research new services provided to customers:** Research and deploy new services to provide to customers or internally based on Linux service platforms or containers such as Docker.

- **Research solutions to meet requirements:** Research automated solutions that meet the given requirements.

System Engineer

10/2024 – Now

HSI - HPT VietNam Corporation

- **Technical Leader:** Technical Leader for core technology domains: Virtualization, Cloud, Containers, and Automation.
- **System Deployment:** Consulting, surveying, implementing PoC, and deploying system solutions for customers.
- **System Testing:** Test and evaluate system load capacity and security, and make recommendations for system optimization.
- **System Integration:** Research on the integration of new systems or solutions to meet customer processes.
- **System Assessment:** Reviewing and assessing existing systems running on Microsoft Azure and Amazon Web Services (AWS), including architecture, security, performance, availability, cost efficiency, and operational practices; proposing improvement and optimization plans.
- **System Architecture Design** Supporting the design and architecture of On-premise and Cloud-based (Azure/AWS) systems based on customer requirements, scalability needs, security standards, and budget constraints.
- **Project Documentation and Presales Support:** Supported project documentation activities including Scope of Work development, solution consulting, technical document review, and preparation of required certifications and compliance documents for bidding processes.
- **NOC Monitoring (24/7 Tier 2 Operations):** Performed 24/7 system monitoring under NOC service contracts; acted as Tier 2 support to filter and analyze alerts, identify root causes, and handle incident response and troubleshooting for customers when required.

Project

- **SmartNOC Product Enhancement:** Participate in research, testing, and deployment of new features for the SmartNOC system, including NetFlow monitoring and application performance monitoring; support advanced functions, contributing to overall product improvement and operational efficiency. Design and develop the SmartNOC online demo platform for real-time infrastructure and network monitoring.
- **Deploying OpenShift Systems:** Deploy the operation of the system the system for VCB, SHB, install advanced integration for OpenShift to serve CICD.
- **Red Hat Ansible Automation Platform Implementation:** Design, deploy, and integrate Red Hat Ansible Automation Platform with BIDV's existing systems; develop and execute test scenarios to ensure stable, secure, and efficient automation operations.
- **Perform System Testing:** Perform load testing for systems for subsystems such as Phu Yen 4T Department, Soc Trang Department of Natural Resources,...
- **System Assessment:** Reviewed and optimized systems running on Azure and AWS Cloud for Sabeco; conducted potential risk assessments, improved performance, and optimized operational costs to enhance system stability and efficiency.
- **VMware & DC-DR System Design and Implementation:** Participated in the design and deployment of VMware-based infrastructure and Data Center Disaster Recovery (DC-DR) systems for QTSC, including high availability, disaster recovery planning and operational readiness.
- **API Gateway Implementation (IBM API Connect):** Designed and deployed API Gateway solutions based on IBM API Connect; developed standardized API tem-

plates, tuned and tested migrated APIs, and participated in training and transformation processes to transition APIs from P2P integration to centralized API Gateway architecture for EVN HCMC.

DevOps Engineer

2022–Now

DevOps & Automation Experience

- **CI/CD & Release Automation:** Designed and implemented CI/CD pipelines using GitLab CI/CD and Jenkins, automating build, deployment, validation, and rollback processes across multiple environments.
- **Deployment Strategy:** Implemented Rolling Update, Blue-Green, and Canary deployment strategies for containerized applications to reduce downtime and deployment risks.
- **DevSecOps:** Integrated security controls into CI/CD workflows, including secrets management, vulnerability and container image scanning, using HashiCorp Vault, Aqua Security, and related security tools.
- **Infrastructure as Code & Automation:** Combined Terraform and Ansible to automate infrastructure provisioning, server configuration, service deployment, and backup/recovery preparation across on-premise and cloud environments.
- **Container Platform Operations:** Deployed and operated containerized workloads on Docker, Kubernetes, and OpenShift, including application deployment, configuration, scaling, and troubleshooting.
- **Monitoring & Observability:** Implemented centralized monitoring, logging, metrics, and distributed tracing using Grafana, Prometheus, Zabbix, ELK, and OpenTelemetry for infrastructure and applications.
- **Automation & Configuration Management:** Developed reusable Ansible playbooks, scripts, and automation workflows for system configuration, application deployment, maintenance, and recurring operational tasks.
- **Azure Cloud Management:** Managed Azure resources, networking, access control, monitoring, and cost utilization; supported resource optimization and automated infrastructure provisioning using Terraform and Ansible.

KEY COMPETENCIES

- **Automation:** Skilled in automating manual tasks to increase efficiency and minimize human error.
- **Open Source Tools:** Research, develop, and operate open source tools to optimize operations and business.
- **Research and Problem Solving:** Ability to apply technologies currently used or researched to meet service development requirements and solve problems that arise during system operations.
- **Process Standardization and Documentation:** Proficient in standardizing workflows by creating clear deployment, maintenance, and operational documentation.
- **Solution Design:** Design system solutions to meet the needs of new construction or optimization of existing systems.
- **System Deployment and Integration:** Deployed and migrated new solutions into existing environments; integrated with current system components to ensure seamless compatibility, stability, and minimal service disruption.

CERTIFICATE

- **Microsoft Certified :** Azure Administrator Associate (AZ-104)
- **RedHat Certified :** Red Hat Certified Developer in Cloud-native Applications (EX-188)

- **VCF:** VTSP VMware Cloud Foundation 9.0 Solution Engineer Simulation - SER.VTSP.2