NGUYEN VIET DUNG

DEVOPS ENGINEER
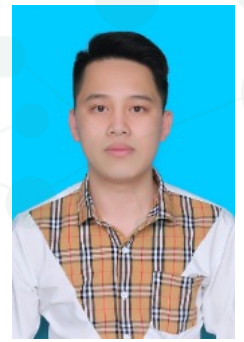
Name Nguyễn Việt Dũng

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Birth 28/04/1997

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Objective

For me, self-study is the key. I have almost 3 years of coding.

Responsible for work, friendly with colleagues. In addition, I always spend my free time developing my skills.

Work experience

05/2022 - Present

KIOTVIET

Devops Engineer

- Design and build k8s multicluster infrastructure.
- Designed and implemented automated infrastructure services using GitOps principles and Infrastructure as Code (IaC) practices.
- Building and Managing Logging System with Grafana, Loki and ELK.
- Building and Managing Monitoring System with Prometheus and Grafana and Providing Alerting Solution.
- CI/CD Pipeline Development for Microservices, Monorepo, and Windows Applications.
- Automation with Ansible and Shell Scripting.
- Mantained and tuned the system to balance the load. Using nginx for a system of 100k customers.
- Support in Developing Product Search Feature:
  - Implemented Change Data Capture (CDC) to transfer real-time data updates to Elasticsearch.
  - Data Analysis and Tokenization: Utilized tokenizer and text analysis techniques to enhance search relevance and accuracy.
  - Elasticsearch Optimization: Implemented routing and shard allocation strategies in Elasticsearch to improve search performance and accuracy.
- Kafka and Consumer/Producer Application Optimization: enabling efficient handling of 200,000 messages per minute.
- Achieved 50% reduction in resource utilization through effective allocation and optimization strategies.
- Operate hybrid system on both aws cloud and on premise.
- Performed infrastructure migration from AWS to on-premise for 6,000 active merchants. Reduced monthly operational costs by up to $10,000.

| 04/2021 - 05/2022 | **FPT SOFTWARE** |
| | *C*loud Engineer |

- Managed and optimized AKS clusters, including building, configuring, upgrading, and setting up permissions.
- Manage and operate DNS, SMTP server.
- Managed application secrets using Azure Key Vault to ensure secure and efficient secret management.
- Handle tickets on the Snow Service platform with a commitment to SLA compliance.
- Collaborated with multiple teams through meetings to implement and execute Disaster Recovery (DR) and Data Center (DC) plans

| 08/2020 - 03/2021 | **VIETTEL NETWORK** |

- Operate and monitor Viettel's Data Center (DC) infrastructure on Grafana and GNOC platforms, including monitoring alerts and service logs.
- Perform periodic reviews of alerts to ensure the accuracy and effectiveness of the alert system.
- Set up SLA standards for alert handling, including:
- Alarm response time.
- Alarm resolution time by priority.
- Procedures and methods for handling warnings.

Education

2016/10 – 2020/09	**Post and Telecommunications Institute of Technology**
	Major - Telecommunications Engineering
	Level - Good

Skills

Main
- Shellscript, Javascript
- OS: Ubuntu
- Build and Deployment Tools: GitLab, Jenkins, Helm, Ansible, Argo CD.
- Docker, Kubernetes.
- Monitoring tools: Elasticsearch, Logstash, Kibana, Prometheus, Grafana.
- Infrastructure Services: HAproxy, Redis, Kafka, Mariadb, MongoDB, Maxscale,..
- Azure: AKS, VM, Service Principal, Loadbalancer
- AWS: EC2, EKS, ECR, IAM, AWS, S3, cloudwatch

Other
- Jenkins
- Vagrant, Virtualbox
- RDS, DocumentDB

Certificate

06/2019	**CCNA**
08/2021	**Toeic: 610**
06/2022	**Azure 104 Cert**