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Ho Chi Minh city, Viet Nam

Nguyen Viet Khoi

Devops Engineer Intern

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https://github.com/viekoi

Education

University of Economics Ho Chi Minh city (Viet Nam)   **09/2021 - 10/2024**

Bachelor of Engineering in Software Engineering

Academic Achievements:

- GPA: 3.2/4.0
- Scholarship for being the major's entrance valedictorian

SKILLS

- Cloud Providers: AWS (IAM, EC2, VPC, EKS, ECS, etc..), GCP
- Scripting languages: Bash
- CI/CD: Jenkins, Github Actions, ArgoCD
- IAS: Terraform
- Containerization & Orchestration : Docker, Kubernetes, Helm
- Operating System: Linux
- Version control: Git

WORK EXPERIENCE

KMS Technology - Software Engineer In Test Intern   **08/2024 - 11/2024**

- Developed a robust end-to-end testing solution using Playwright and TypeScript
- Reduced failures due to faulty automation code by 50% by implementing the Page Object Model pattern
- Improved testing speed by 75% speed implementing cross-site testing for 3 different websites, ensuring comprehensive coverage of critical user workflows, including login, navigation, and transactional processes.
- Collaborated with cross-functional teams to identify key test scenarios, prioritize test cases, and ensure alignment with business objectives.
- Wrote clean, modular, and scalable test scripts, ensuring easy maintenance and adaptability to changing requirements.

TMA Solution - Software Engineer Intern   **10/2023 - 01/2024**

- Developed an ERP service for F&B management applications using ReactJS and TypeScript
- Implemented a prevent form exit warning system, reducing data loss risks and improving user experience during form submissions
- Implemented core functionality logic to work with APIs for Employee Management page and Organization Structure Management page

PERSONAL PROJECTS

- **AUTHS-2FA-MERNS-GITOPS**: A GitOps workflow for a MERN Stack app using Terraform to provision and manage EKS clusters, integrated with ArgoCD for continuous deployment, enabling seamless infrastructure-as-code and application delivery pipelines.

- **HOME LAB KUBERNETES CLUSTER**: Designed and implemented a home lab environment to enhance networking and server management skills. Configured a robust home network with a custom topology, optimizing connectivity and performance. Built a high-performance server using a INTEL XEON CPU, 32GB RAM, and a 128GB SSD, running Proxmox as the virtualization platform. Deployed a lightweight k3s Kubernetes cluster on the server, enabling efficient container orchestration and hands-on experience with modern DevOps practices. This setup supports experimentation with various technologies, fostering continuous learning in system administration, networking, and cloud-native infrastructure.

CERTIFICATIONS

Test of English for International Communication(TOEIC) 945

02/2024 - 02/2026

AWS Certified Cloud Practitioner

02/2025 - 02/2028