

# Trần Quang Ngọc Khoa

## DevOps Engineer

☎ 0983099278

✉ peterkhoa@gmail.com

📅 08/07/1984

📍 TP Hồ Chí Minh

🌐 peterkhoa.name.vn



I'm a DevOps engineer with a strong background in web development, now focusing on cloud infrastructure and automation. After several years working with PHP, Yii framework, and managing traditional servers, I gradually transitioned into DevOps—gaining hands-on experience with **Terraform, CI/CD, Docker, Kubernetes, and AWS/Azure**.

I enjoy building CI/CD pipelines, automating infrastructure, and applying GitOps to keep systems clean and repeatable. I'm aiming to grow into a **Solution Architect**, combining deep technical skills with system design for secure and scalable architectures.

## EDUCATION

### HCMC University Of Natural Sciences

09/2004 - 09/2008

Mathematics - Informatics

## SKILL

### Core skills

AWS  
10+ years

ArgoCD  
5 years

Azure  
5 years

Bash Shell  
5 years

Bitbucket Pipelines  
5 years

Cloudflare  
5 years

Docker  
5 years

GitHub Actions  
5 years

GitLab Pipelines  
5 years

Jenkins  
5 years

Jira  
5 years

MySQL  
5 years

PHP  
5 years

PostgreSQL  
5 years

Python  
5 years

Selenium  
5 years

Terraform  
5 years

Grafana  
3 years

Kubernetes  
3 years

Prometheus  
3 years

## WORK EXPERIENCE

05/2022 - Now

### DevOps Engineer | Personify Incorporation

- Designed and managed CI/CD pipelines using Bitbucket Pipelines, GitHub Actions, GitLab CI/CD and Jenkins
- Provisioned and maintained cloud infrastructure on AWS and Azure using Terraform
- Deployed and operated containerized applications on AWS ECS and Azure AKS
- Improved release cycle speed by automating deployment workflows and environment provisioning

03/2018 - 05/2022

### Automation Engineer | Personify Inc.

- Took over DevOps responsibilities, managing AWS infrastructure (EC2, RDS, Elastic Beanstalk)
- Integrated GitHub with Jenkins to automate test and deployment pipelines
- Supported both web and Windows-based applications, improving delivery speed and stability
- This transition into automation and cloud operations prepared the ground for my DevOps career

06/2016 - 02/2018

### Technical Lead | THM Corp.

- Led development of an e-commerce platform using Yii Framework 2.0
- Managed source code, release workflows, and server infrastructure across all stages
- Oversaw performance tuning and deployment operations for high-traffic environments

05/2014 - 05/2016

### Senior Web Developer | Personify Incorporation

- Developed backend and frontend features using the Yii Framework 1.1
- Collaborated closely with design and product teams to deliver

## CERTIFICATE

### AWS Fundamentals

12/2023

Coursera Inc.

[View certificate](#) 

## Architecting Solutions on AWS

12/2023

Coursera Inc.

[View certificate](#) 

## Migrating to the AWS Cloud

12/2023

Coursera Inc.

[View certificate](#) 

## AWS Cloud Technical Essentials

11/2023

Coursera Inc.

[View certificate](#) 

## Containerized Applications on AWS

11/2023

Coursera Inc.

[View certificate](#) 

production-ready releases

- Maintained legacy codebase and implemented improvements in performance and maintainability
- Built end-to-end automation for PHPUnit, Selenium, and Python-based test suites
- Maintained cloud infrastructure on AWS

04/2011 - 04/2014

## Production Manager I April Digital

- Led a team of 4 engineers and coordinated daily tasks
- Managed company infrastructure: Windows & Linux servers, network systems
- Designed and developed custom extensions/themes for Joomla, WordPress, Drupal, and Magento
- Researched and applied emerging web technologies to ongoing projects
- Standardized coding practices to improve maintainability and system scalability

01/2010 - 03/2011

## IT Manager I Viet Nhat Consultancy Trading Co. Ltd. - Onlink Japan Group

- Supervised a small IT team (2 members) for internal systems and infrastructure
- Managed Linux and Windows server environments
- Built multiple websites using Joomla 1.5, including:
  - Stock Exchange Portals: moneyvietnam.com, money-asia.com, moneylaos.com, moneysrilanka.com
  - Vietnamese Hotels Booking System: 2vie.com

03/2008 - 01/2010

## Senior Web Developer I April Web and Graphic Design

- Converted design assets (PSD) into responsive HTML/CSS
- Integrated animations using jQuery and Mootools
- Developed reusable templates and extensions for Joomla 1.5

## HIGHLIGHT PROJECT

12/2024 - Now

### Official website of Infocus

- **Link:** <https://infocus.com/>
- **Description:** Official website of Infocus - a brand of projectors manufacturer
- **Role:** DevOps
- **Responsibilities:**
  - Migrated legacy hosting to AWS services.
  - Automated infrastructure using Terraform.
  - Built CI/CD pipelines with GitLab.
- **Tech stack:** AWS ECS, RDS, ElastiCache, Cloudfront, S3, WAF

01/2024 - Now

## Connected Car Cloud

- **Description:** Electric Vehicle Management Suite

- **Role:** DevOps
- **Responsibilities:**
  - Provisioned and deployed infrastructure on Azure AKS.
  - Automated deployments using GitLab CI and ArgoCD.
- **Tech stack:** Azure AKS

01/2024 - Now

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## Foxconn EMS

- **Description:** Energy Management Suite
- **Role:** DevOps
- **Responsibilities:**
  - Provisioned and deployed infrastructure on Azure AKS.
  - Automated deployments using GitLab CI and ArgoCD.
- **Tech stack:** Azure AKS

01/2024 - Now

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## StorView Cloud Portal

- **Link:** <https://www.storview.com/>
- **Description:** Energy Management Suite
- **Role:** DevOps
- **Responsibilities:**
  - Managed infrastructure with Terraform.
  - Built CI/CD pipelines with Bitbucket.
- **Tech stack:** AWS EC2, ECS, RDS, Lambda, Cognito & API Gateway

05/2014 - 05/2022

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## Official website of Personify Inc.

- **Link:** <https://personifyinc.com/>
- **Description:** Official website of Personify Inc. to manage user subscriptions.
- **Role:** Full scope
- **Responsibilities:**
  - Built backend & frontend features.
  - Implemented automated tests with PHPUnit, Python & Selenium.
- **Tech stack:** AWS EC2, Beanstalk, RDS, ElastiCache, Cloudfront, S3

06/2016 - 02/2018

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## GoGoGo.vn

- **Link:** <https://web.archive.org/web/20190103025642/https://www.gogogo.vn/>
- **Description:** E-commerce platform
- **Role:** Full scope
- **Responsibilities:**
  - Built backend & frontend features for an e-commerce platform.
  - Managed servers in an on-premises environment.
  - Implemented CI/CD workflows using Jenkins.
- **Tech stack:** Apache, PHP, MySQL, ElasticSearch, SphinxSearch, Redis