MICHAEL CHEN

DevOps Engineer & Cloud Architect

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PROFESSIONAL SUMMARY

DevOps Engineer with 6 years of experience in cloud infrastructure, automation, and CI/CD pipelines. AWS Certified Solutions Architect with extensive experience in containerization, orchestration, and infrastructure as code. Proven track record of building scalable and reliable systems.

CORE COMPETENCIES

Cloud Platforms: AWS (Expert), Azure (Advanced), Google Cloud Platform (Intermediate)

Container Technologies: Docker, Kubernetes, ECS, EKS, Docker Swarm

Infrastructure as Code: Terraform, CloudFormation, Ansible, Pulumi

CI/CD Tools: Jenkins, GitLab CI/CD, GitHub Actions, CircleCI, ArgoCD

Programming: Python, Bash, Go, PowerShell, YAML

Monitoring & Logging: Prometheus, Grafana, ELK Stack, Datadog, CloudWatch

Version Control: Git, GitHub, GitLab, Bitbucket

Configuration Management: Ansible, Chef, Puppet

PROFESSIONAL EXPERIENCE

Senior DevOps Engineer | CloudTech Corporation | Feb 2021 - Present

• Architect and manage AWS infrastructure supporting 50+ microservices handling 10M+ daily requests

• Designed and implemented Kubernetes clusters on EKS reducing deployment time by 70%

• Built automated CI/CD pipelines using Jenkins and GitLab CI for 30+ development teams

• Implemented Infrastructure as Code using Terraform managing 200+ AWS resources

• Reduced infrastructure costs by 35% through resource optimization and auto-scaling strategies

• Established monitoring and alerting systems using Prometheus, Grafana, and ELK Stack

• Led migration from EC2 to containerized architecture using Docker and Kubernetes

• Implemented GitOps workflows using ArgoCD for automated deployments

DevOps Engineer | StartupTech Inc. | Mar 2019 - Jan 2021

• Built and maintained CI/CD pipelines for multiple projects using Jenkins and GitHub Actions

• Automated infrastructure provisioning using Terraform and Ansible

- Managed AWS services including EC2, S3, RDS, Lambda, CloudFront, and Route 53
- Implemented containerization strategy using Docker across development and production environments
- Created monitoring dashboards and alerts using CloudWatch and Datadog
- Improved deployment frequency from weekly to daily through automation
- Wrote Python and Bash scripts for automation and infrastructure management
- Conducted disaster recovery drills and maintained backup strategies

System Administrator | NetworkSolutions Ltd. | Jun 2017 - Feb 2019
- Managed Linux and Windows server infrastructure for 100+ servers
- Implemented automated backup and recovery solutions
- Configured and maintained network security policies and firewalls
- Monitored system performance and resolved infrastructure issues
- Documented system configurations and operational procedures
- Provided 24/7 on-call support for critical infrastructure

EDUCATION

Bachelor of Science in Computer Science
University of Washington, Seattle | 2013 - 2017
Focus: Networks and Distributed Systems

CERTIFICATIONS

- AWS Certified Solutions Architect - Professional (2023)
- AWS Certified DevOps Engineer - Professional (2022)
- Certified Kubernetes Administrator (CKA) - CNCF (2021)
- Certified Kubernetes Application Developer (CKAD) - CNCF (2022)
- HashiCorp Certified: Terraform Associate (2021)
- AWS Certified Security - Specialty (2023)

TECHNICAL PROJECTS

Multi-Region High-Availability Infrastructure
- Designed and deployed multi-region AWS infrastructure with automatic failover
- Implemented Route 53 health checks and CloudFront for global content delivery
- Achieved 99.99% uptime SLA using auto-scaling and load balancing

Kubernetes Migration Project
- Led migration of 40+ applications from VMs to Kubernetes
- Implemented Helm charts for application deployment and management
- Reduced infrastructure costs by 40% while improving scalability

Automated Security Compliance System

• Built automated compliance checking using AWS Config and custom Lambda functions

• Implemented automated remediation for common security issues

• Created comprehensive audit logging and reporting system

CI/CD Pipeline Standardization

• Developed standardized CI/CD templates used across the organization

• Reduced pipeline setup time from days to hours

• Implemented automated testing, security scanning, and deployment gates

SPEAKING & CONTRIBUTIONS

• Speaker at AWS re:Invent 2023 - "Scaling Kubernetes in Production"

• Regular contributor to Terraform and Kubernetes open-source projects

• Technical blog writer with 20+ published articles on DevOps practices

• Mentor at DevOps bootcamp programs

ACHIEVEMENTS

• Reduced deployment failures by 85% through improved automation and testing

• Saved company $200K annually through infrastructure optimization

• Successfully managed zero-downtime migration for critical production systems

• Built disaster recovery system with RTO of <15 minutes

LANGUAGES

English (Native)

Mandarin Chinese (Native)

PROFESSIONAL INTERESTS

Container orchestration, Cloud native technologies, Site Reliability Engineering, Infrastructure automation, DevSecOps practices, Microservices architecture