
Vaibhav Parde

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Accomplished Senior DevOps Engineer with 10+ years of experience architecting and managing scalable cloud infrastructure across Azure and AWS. Proven expertise in Infrastructure as Code (IaC), CI/CD automation, containerization, and DevSecOps practices. Successfully managed 500+ nodes and implemented zero-downtime deployment strategies, resulting in improved system reliability and reduced operational costs. Certified Kubernetes Administrator (CKA) and Azure Administrator (AZ-104) with strong background in enterprise-level automation and monitoring.

WORK EXPERIENCE

Windmill Smart Solutions • 08/2021 - Present

Senior DevOps Engineer

- Architect and deploy Azure infrastructure including AKS clusters, Function Apps, VNet configurations, CDN, VMSS, Azure OpenAI services, Firewall and AppGateway using Terraform, Pulumi and ARM templates
- Implemented robust CI/CD pipelines using Jenkins, GitLab CI and Bitbucket Pipelines, enabling seamless multi-cloud deployments and reducing deployment time by 60%
- Integrated security scanning tools (Trivy, Snyk, SonarQube) into development pipelines, implementing shift-left security practices and reducing vulnerabilities by 40%
- Managed comprehensive AWS infrastructure including EC2 instances, ECS clusters, Lambda functions, S3 buckets, RDS databases and Auto Scaling Groups
- Established centralized logging and monitoring solutions using Datadog, ELKStack, Prometheus and Grafana, improving system observability and reducing MTTR by 50%
- Designed and implemented Azure AD B2C custom authentication policies, enhancing security and user experience
- Optimized deployment strategies achieving zero-downtime deployments and improved system scalability by 35%
- Refined infrastructure cost management by implementing automated scaling policies and reserved instance recommendations, enhancing resource utilization and reducing operational expenditures across multi-cloud environments.

Skillnet Solutions India Pvt Ltd • 10/2018 - 08/2021

DevOps Engineer

- Deployed and managed microservices architecture using Docker containers, Jenkins automation and AWS ECS, supporting high-availability applications
- Administered configuration management for 500+ nodes using Puppet and Ansible, maintaining 99.9% system uptime

SKILLS

CloudPlatforms: AWS(EC2, ECS, Lambda, S3, RDS,ASG), Azure(AKS, FunctionApps,VNet, CDN, VMSS,AppGateway)

Infrastructure as Code: ARM Templates, CFT, Pulumi, Terraform

CI/CD Tools: BitbucketPipelines, GitHubActions, GitLabCI, Jenkins

Containerization: Docker, Helm, Kubernetes(on-premises&cloud), Rancher

ConfigurationManagement : Ansible, Chef, Puppet

Programming: Bash, PowerShell, Python, Shell Scripting

SecurityTools: AzureADB2C, Snyk, SonarQube, Trivy

Monitoring &Logging: Datadog, ELKStack, Grafana, Nagios, Prometheus

Databases: MongoDB, Oracle, PostgreSQL

VersionControl: Bitbucket, Git, GitHub, GitLab

Application Servers: Tomcat, WebLogic

EDUCATION

Master of Engineering (M.Tech) - Industrial Engineering

RCOE, Nagpur
Nagpur
GPA: 8.2
01/2013

- Maintained and optimized cloud infrastructure across AWS services (EC2, S3, RDS, Route53), reducing operational costs by 25%
- Integrated comprehensive code quality checks and SonarQube analysis into build pipelines, improving code quality metrics by 30%
- Implemented zero-downtime deployment strategies using Load Balancers and blue-green deployment patterns
- Developed automated CI/CD pipelines for WAR file deployments on WebLogic and Tomcat servers

**Bachelor of Technology
(B.Tech) - Industrial
Engineering**

VIT,Pune

Pune

GPA: 7.4

01/2011

EtoneousServices • 09/2017 - 10/2018

DevOps Engineer

- Created and managed production-ready Kubernetes clusters with Helm chart deployments via Rancher platform
- Developed Python automation scripts for Puppet Master integration, streamlining deployment processes
- Authored comprehensive Ansible playbooks for AWS infrastructure provisioning and configuration management
- Integrated automated testing frameworks (XUnit, JUnit) within containerized environments, improving deployment reliability

Virtusa Consulting Services • 02/2016 - 09/2017

DevOps Engineer

- Built automated build and deployment pipelines using Jenkins and Hudson, reducing manual deployment time by 70%
- Implemented configuration management and orchestration using Ansible and Docker containerization
- Created scalable Docker environments integrated with CI/CD pipelines for consistent application deployments
- Automated application server provisioning and deployments using Bash and Shell scripting
- Developed infrastructure automation scripts for EC2 instance management, ELB configuration, and deployment group orchestration
- Implemented comprehensive logging and alerting systems using Nagios and Logstash

TECHNOCRATSFORUM • 02/2014 - 02/2016

Product Support Engineer

- Provided L1 and L2 technical support for UNIX-based applications using advanced shell scripting and SQL queries
- Automated log parsing and health-check alert systems using Bash scripting and cron jobs, reducing manual monitoring by 80%
- Contributed to internal tool development using shell and Python scripts, improving operational efficiency
- Created monitoring dashboards using open-source tools for real-time system performance tracking
- Implemented ITIL best practices including Incident, Change, and Problem Management processes

- Optimized Linux-based production environments, achieving improved response time KPIs

CERTIFICATIONS

Microsoft Certified: Azure Administrator Associate (AZ-104) • 01/2025

MS Azure

Certified Kubernetes Administrator (CKA) • 01/2022

CNCF

PROJECTS

AWS Cloud Platform Migration • 01/2023 - 06/2025

Xlongevity

- Designed and deployed scalable AWS infrastructure using EKS for containerized application workloads
- Implemented secure data storage solutions with S3 and RDS, ensuring high availability and disaster recovery
- Optimized cloud architecture for healthcare data compliance, maintaining 99.9% uptime
- Automated infrastructure provisioning and monitoring, reducing operational overhead by 50%

Azure Infrastructure & Security Hardening • 04/2022 - 12/2023

Delubac Bank

- Architected secure Azure infrastructure with hardened AKS clusters for financial services compliance
- Implemented advanced firewall rules and security policies ensuring regulatory compliance for banking operations
- Integrated Cloudflare for enhanced CDN performance and DDoS protection, improving application response time by 40%
- Established comprehensive security monitoring and incident response protocols for critical banking systems