Tamilarasan R

DevOps & Cloud Engineer

Bangalore 9600535931 tamildevopscloud@gmail.com Portfolio

PROFESSIONAL SUMMARY

DevOps Engineer with 5+ years of experience in Azure and AWS cloud infrastructure, CI/CD, automation, and security. Skilled in Docker, Kubernetes, Terraform, and Ansible for containerization and Infrastructure as Code (IaC). Proficient in monitoring and security practices, delivering scalable, reliable, and cost-optimized cloud solutions for retail and e-commerce platforms.

PROFESSIONAL EXPERIENCE

Azure DevOps Engineer | AIML LABS PVT LTD | May 2022 – Present

- Architected Azure infrastructure for 50+ microservices in e-commerce platforms
- Deployed AKS clusters handling 10M+ daily transactions with auto-scaling policies
- Built CI/CD pipelines in Azure DevOps and Jenkins, cutting deployment time from 2 hours to 15 minutes
- Integrated monitoring via Prometheus, Grafana, and Azure Monitor, sustaining 99.9% uptime
- Orchestrated provisioning using Terraform and Ansible across environments
- Strengthened security by enforcing RBAC, network policies, secrets management, and continuous scanning

Associate Application Developer | Quadprosoft Technologies | Apr 2021 – Nov 2021

- Developed Java, Spring Boot, and Angular applications hosted on AWS.
- Optimized deployments on EC2, S3, and RDS with scripted workflows.
- Designed Jenkins pipelines, reducing release cycle time by 30%.
- Ensured 99.9% uptime through proactive monitoring and load balancing.
- Enhanced application scalability by integrating auto-scaling policies.
- Improved deployment reliability by introducing version-controlled scripts.

Web Developer | Intellidb Database Solutions | Nov 2019 - Mar 2021

- Delivered PHP, Django, and JavaScript applications on AWS, reducing page load time by 25%.
- Standardized environments with Docker, minimizing configuration issues by 20%.
- Enhanced reliability with AWS CloudWatch for log monitoring and performance optimization.
- Improved database efficiency by fine-tuning queries and schema design.
- Strengthened application security by applying IAM roles and SSL/TLS.
- Increased team productivity by implementing Git workflows for version control.

CORE COMPETENCIES

- **Cloud & IaC**: **Azure** (AKS, Functions, App Services, Storage, Key Vault, Active Directory, ARM, Container Instances), **AWS** (EC2, S3, RDS, Lambda, IAM, Route53, CloudFront, CloudWatch), Terraform, Ansible, YAML, JSON, Azure CLI
- **CI/CD & Source Control Management**: Azure DevOps, Repos, Jenkins, GitHub Actions, Git,
- **Containers & Orchestration**: Docker, Kubernetes (AKS, EKS), Helm, Istio
- **Monitoring & Security**: Azure Monitor, App Insights, Log Analytics, Prometheus, Grafana, ELK, Security Centre, RBAC, IAM, ACL, Key Vault, SSL/TLS, MFA
- **Scripting & OS**: Python, Bash, PowerShell, Shell, Linux (Ubuntu, RedHat), Windows Server
- **Databases & Tools**: SQL, PostgreSQL, Cosmos DB, Redis, Boards, JIRA

KEY PROJECTS:

E-commerce Platform Infrastructure

- Architected scalable Azure cloud infrastructure supporting 50+ microservices
- Launched AKS clusters with auto-scaling to handle 10x Black Friday traffic spikes while maintaining 99.99% uptime
- Reduced costs by 40% via auto-scaling and resource optimization
- Built CI/CD pipelines with Azure DevOps enabling blue-green deployments and zero downtime releases

Multi-Channel Retail Data Pipeline

- Engineered real-time pipeline with Azure Data Factory and Databricks processing 5TB+ data daily across 20+ stores
- Orchestrated workloads on AKS with scaling policies for peak loads
- Implemented disaster recovery with RTO < 15 minutes ensuring business continuity
- Streamlined automated workflows and monitoring with Azure Monitor and Application Insights for zero downtime

Retail Analytics Cloud Migration

- Led migration of 200+ on-premises servers to Azure, modernizing infrastructure with ARM templates and Ansible
- Applied blue-green deployment strategy using Azure DevOps for seamless migration
- Reduced operational overhead by 60% through IaC and systematized provisioning workflows
- Established monitoring with Azure Monitor and Application Insights, optimizing performance and cost

EDUCATION

B.Tech in Information Technology | K.S.R College of Technology | 2015 - 2019