Ramu Chirumamilla

Chicago, IL 60616 USA ⬥ (630) 509-8255 ⬥ ramch08611@gmail.com

Highly skilled and results-driven DevOps and Cloud Engineer with 5+ years of hands-on experience designing, implementing, and optimizing cloud infrastructure across AWS, Azure, and hybrid environments. Proven track record in automating deployment pipelines, container orchestration, and infrastructure provisioning using Terraform, Ansible, and CI/CD tools. Skilled in building scalable, secure, and highly available cloud-native applications while driving operational excellence, enhancing system performance, and ensuring seamless collaboration across cross-functional teams. Adept at transforming business requirements into secure cloud solutions.

Core Expertise

Cloud Architecture | Infrastructure as Code (IaC) | Azure DevOps | AWS Cloud | Hybrid Cloud | CI/CD Pipeline Design | Automation Strategy | Containerization | Microservices Architecture | Cloud Migration | Application Deployment | Disaster Recovery Planning | Security & Compliance | Performance Optimization | Networking & Load Balancing | Virtualization | Agile/Scrum Methodologies | Team Collaboration | DevOps Best Practices

Technical Skills

Cloud Platforms	AWS, Azure, GCP
CI/CD & Automation Tools	Jenkins, Bamboo, GitHub Actions, Terraform, CloudFormation, Ansible, CI/CD Pipelines
Containerization & Orchestration	Docker, Kubernetes, AKS
Scripting & Programming	Python, Bash, Shell scripting, PowerShell, Java, Sql
Version Control & Collaboration	Git, Bitbucket, GitHub Enterprise, JIRA, Confluence
Configuration Management	Chef, Puppet, Ansible Playbooks
Monitoring & Logging	Prometheus, Grafana, Datadog, New Relic, Azure Monitor, CloudWatch
Serverless & Microservices	AWS Lambda, Azure Functions, API Gateway, Swagger, Postman
Networking & Security	VPC, IAM, VPN Gateway, Azure AD B2C, Azure Security Center
Virtualization & Backup	VMware, Hyper-V, VirtualBox, Azure Site Recovery, AWS Backup
Cloud Cost Management	Azure Cost Management, GCP Billing, AWS Cost Explorer

Professional Experience

Azure DevOps Engineer | Illinois Tool Works | Glenview, IL   May 2024 – Present

- Delivered secure, scalable Azure cloud solutions by migrating on-premises apps to Azure using ARM templates and Terraform IaC.
- Implemented AKS for container orchestration, enabling automated scaling, self-healing, high availability, and optimized app performance.
- Automated deployments via Azure DevOps pipelines, reducing errors, accelerating CI/CD release cycles, and improving operational efficiency.
- Configured Azure IaaS VMs and PaaS services within VNets and subnets, enhancing security, availability, and overall cloud performance.
- Developed Terraform templates for VMs, load balancers, NAT rules, and other resources, streamlining infrastructure provisioning with accuracy.
- Deployed microservices on AKS with Ingress API Gateway and Nginx reverse proxy, securing traffic using SSL/TLS encryption for enterprise apps.
- Integrated Azure AD Connect and ADFS for identity federation, ensuring secure authentication and seamless connectivity across on-prem systems.
- Designed Azure disaster recovery solutions, including Recovery Vault and automated Power Shell scripts, reducing downtime and ensuring

business continuity.

- Migrated retail data to Azure using Data Factory, Cosmos DB, SQL, and MySQL, ensuring secure, consistent, and optimized data transformations.
- Monitored cloud infrastructure using Prometheus and Grafana, proactively identifying bottlenecks, optimizing performance, and mitigating failures.
- Hardened VMs using disk encryption with KEK keys and implemented secure access policies to protect Azure resources and sensitive information.
- Provided ongoing support for Azure deployments, maintaining configuration, performance, and compliance standards across multiple environments.

AWS DevOps Engineer | Brown & Brown Insurance | Plano, TX   Apr 2023 – Apr 2024

- Built scalable AWS cloud solutions with Terraform, Ansible, and Puppet, implementing fully automated, secure, and reliable infrastructure.
- Managed Jenkins artifacts in Nexus, enabling version-controlled CI/CD and faster, error-free deployments across multiple AWS environments.
- Utilized Docker and Kubernetes to orchestrate microservices, improving scalability, availability, and consistency of application deployments.
- Designed and maintained CI/CD pipelines with Jenkins, Ant, and Puppet, automating builds, testing, and deployment to streamline software delivery.
- Monitored system performance using Prometheus, Grafana, and CloudWatch, proactively detecting faults and optimizing cloud infrastructure efficiency.
- Configured Git repositories with branching, tagging, merge requests, and notifications, enhancing collaboration, traceability, and code quality control.
- Installed, configured, and maintained Debian, RedHat, CentOS, and Suse servers across multiple data centers, ensuring secure and reliable operations.
- Enforced strict security protocols, including system hardening, network security, and secure CI/CD practices, safeguarding cloud environments.
- Supported Agile/Scrum workflows, including sprint planning and daily standups, enhancing project execution efficiency and cross-team collaboration

DevOps Engineer | Chewy | Mumbai, India   June 2020 – Dec 2022

- Delivered automated cloud infrastructure and CI/CD pipelines using AWS Code Pipeline, Terraform, CloudFormation, and Jenkins, optimizing deployments.
- Designed VPCs, subnets, NAT gateways, and databases using CloudFormation templates, ensuring highly scalable web application deployments.
- Configured AWS Lambda to automate build action triggered by Jenkins, storing artifacts securely in S3 for consistent and accessible workflows.
- Managed Route 53 DNS and Security Groups, controlling traffic routing and securing cloud network across multiple regions with optimized policies.
- Deployed containerized microservices to Kubernetes clusters, monitored with Prometheus and Grafana for real-time system metrics and insights.
- Automated build, test, and publish workflows using Gradle, improving two reliabilities, reducing errors, and increasing deployment speed.
- Managed source code using Bitbucket and automated CI/CD using Jenkins, enabling faster and consistent deployment of

applications and services.

- Used AWS ECS with Docker containers to create virtualized test environments supporting development, QA, and deployment efficiency.
- Implemented Infrastructure as Code using Terraform and CloudFormation, improving reliability, reproducibility, and scalability of cloud environment.

Education & Professional Development

Masters in Information Technology and Management | Illinois Institute of Technology | May 2024