

# RAHUL VADAKKINIYIL

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Thiruvananthapuram

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## CLOUD ENGINEER

Cloud Engineer with 3+ years experience with a proven track record of designing, implementing, and optimizing cloud infrastructure for various organizations. Proficient in AWS and Azure platforms with deep knowledge of networking, security, and automation. Strong problem-solving abilities and a passion for staying current with the latest cloud technologies to drive innovation and streamline operations. Seeking to leverage expertise in a challenging and dynamic environment.

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## SKILLS

**Cloud Platform:** AWS, Azure

**Version Control:** Git, GitHub

**CI/CD Tools:** AWS CodePipeline, Git, GitHub, Bitbucket, Jenkins

**Scripting:** Bash, Python

**Infrastructure as Code (IaC):** Terraform/CloudFormation

**Networking:** DNS, Routing, Firewall and VPN

**Web Servers:** Nginx, Apache, Tomcat, IIS

**Database:** MySQL, PostgreSQL, MongoDB

**Containerization:** Docker, Kubernetes

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## PROFESSIONAL EXPERIENCE

**HoneyKode Technologies Private Limited**

**May 2022 - Present**

**DevOps Engineer**

Currently employed as a Cloud Engineer at HoneyKode Technologies Pvt. Limited, overseeing the design, deployment, and management of cloud infrastructure.

### Key Accomplishments

- Designed and implemented scalable, fault-tolerant cloud architectures on Amazon Web Services (AWS), Microsoft Azure, and hybrid cloud platforms, ensuring high availability, cost efficiency, and alignment with business requirements.
- Developed and enforced cloud security best practices, implementing IAM policies, encryption mechanisms, security groups, and compliance controls to meet industry standards such as CIS, SOC 2, and GDPR.
- Automated infrastructure provisioning and configuration using Infrastructure as Code (IaC) tools like Terraform and AWS CloudFormation, enabling reproducible, consistent, and version-controlled environments across dev, QA, and production.
- Proactively monitored and maintained cloud environments using Amazon CloudWatch, Azure Monitor, and custom alerting solutions to ensure maximum system uptime, performance optimization, and fast incident resolution.
- Integrated Amazon Inspector into CI/CD pipelines to automatically scan Amazon ECR container images for vulnerabilities during build and deployment stages, improving container security posture.
- Configured Bastion Hosts (Jump Servers) to securely access EC2 instances within isolated private subnets, ensuring controlled access via SSH and minimizing attack surface in production VPCs.
- Implemented cloud cost-control strategies, including right-sizing EC2 instances, optimizing storage classes, implementing auto-scaling groups, and using AWS Trusted Advisor and Cost Explorer for cost analysis and recommendations.
- Provisioned, secured, and managed Linux-based systems on AWS EC2, handling EBS volumes, SSL certificates, RDS databases, security groups, and IAM roles for reliable server and database operations.
- Managed Amazon S3 buckets for storing application data, database backups, and logs, including defining bucket policies, enabling versioning, configuring CORS for cross-origin access, and optimizing lifecycle policies.

- Utilized Docker for containerization and deployed containerized workloads using Kubernetes and AWS ECS to enhance application portability, scalability, and orchestration.
- Hands-on experience with AWS services such as NAT Gateway, Application Load Balancer (ALB), AWS OpenVPN, EBS snapshots, Elastic IP, Elastic File System (EFS), Lambda, CloudFront, WAF, and Amazon ECS.
- Automated tasks using AWS Lambda, such as scheduled AMI backups and timed EC2 start/stop routines, improving backup management and reducing unnecessary compute costs.
- Configured Apache web server with reverse proxy and SSL offloading for secure access and load distribution across backend services.
- Developed and maintained CI/CD pipelines for deployment to EC2, ECS, and S3 using GitHub Actions, Bitbucket Pipelines, and AWS Code Pipeline, significantly reducing manual deployment errors and increasing release velocity.
- Version-controlled infrastructure and codebase using Git (GitHub and Bitbucket), ensuring collaborative development and reliable rollback in case of issues.
- Wrote custom scripts in Bash and Python to automate operational tasks such as log rotation, backup handling, environment provisioning, and deployment triggers.
- Evaluated and introduced new cloud-native tools and services, improving operational efficiency, security, and monitoring capabilities across cloud-hosted environments.
- Led and executed cloud migration projects by assessing legacy on-premises systems, designing migration strategies, and implementing secure and scalable infrastructure on AWS and Azure.

### **Server Administrator Trainee**

**Nov 2021 - May 2022**

#### **IPSR Solution Limited Kochi**

A program facilitated to provide hands-on experience in System ,Cloud Administration led by Tech Support division of IPSR. During the internship, gained the following skills.

#### **Accomplishments:**

- Server Configuration for Website/Web Apps, Server Hardening, Server Tuning, etc.
- Server Monitoring and Troubleshooting, Shell Scripting, Git, Mail server, DNS and FTP.
- Hardware and Networking.
- AWS Cloud Computing.
- IP Addressing & Subnetting.
- Responsible for assisting senior server administrators in maintaining and troubleshooting servers.
- Monitoring server performance and identifying potential issues.
- Assisting in creating and maintaining backup and recovery plans.
- Learning how to manage user accounts and permissions.

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## **GLOBAL CERTIFICATION**

### **RHCSA CERTIFICATION**

CERTIFICATION ID: 220-120-281

### **AWS Certified Solution Architect Associate (SAA-C03)**

CERTIFICATION ID: 3100356e7679448faf0deb41326b00e6

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