

# CHETHAN B R

Bengaluru, Karnataka, India

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## Summary

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Cloud Engineer with over 1.5 years of experience in designing, deploying, managing scalable and highly available AWS cloud infrastructure and CI/CD pipelines. Skilled in automating deployment processes using AWS services such as EC2, S3, IAM, Lambda, ELB, ASG, and CloudWatch. Proficient in infrastructure as code (Terraform, Ansible), with working knowledge of containerization (Docker). Focused on improving system reliability, security, and delivery speed through modern DevOps practices.

## Roles and Responsibility

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- Designed and implemented highly available, secure, and scalable multi-tier architectures tailored to diverse client requirements, incorporating automated provisioning, fault-tolerant components, performance optimization, and cost-effective resource allocation to ensure robust and efficient infrastructure.
- Deployed applications to cloud environments, including end-to-end setup of backend databases (MySQL and PostgreSQL) for efficient data storage and retrieval.
- Performed seamless database migrations from application servers to Amazon RDS, enhancing security, reliability, and performance.
- Automated Cron job scheduling across multiple cloud servers, tailored to developer requirements and application-specific workloads.
- Orchestrated code deployments across staging, testing, client-specific, and production environments within an Agile/Scrum framework, ensuring timely, reliable, and high-quality delivery of application releases.
- Implemented comprehensive application and server monitoring using AWS CloudWatch with custom agents; configured alarms and SNS notifications, improving performance visibility and reducing incident response time by 40%.
- Developed AWS Lambda functions to automate EC2 instance backups by creating regular snapshots and AMIs.
- Managed GitLab version control and branch strategy for a team of 20+ engineers, integrating Jenkins to automate code deployment workflows, improving release efficiency by 30% and reducing manual errors by 40%.
- Led the successful deployment and hosting of N8N-AI Agent to automate daily workflows, boosting team productivity.
- Containerized applications using Docker and managed deployments across different environments.
- Led the end-to-end automation of infrastructure provisioning and architecture design using Terraform.
- Provided 24/7 support for urgent issues and server-side troubleshooting across multiple client environments.
- Possess strong expertise in logging and monitoring tools including ELK Stack (Elasticsearch, Logstash, Kibana), Prometheus, Grafana, and AWS CloudWatch.
- Familiar with automation tools such as Ansible for configuration management and server provisioning.

## Skills

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Cloud Technologies : AWS  
Operating System : Amazon Linux, Ubuntu, Windows  
Version Control System : Git, GitHub, Gitlab.  
CI/CD Tools : Jenkins  
Container and Orchestration Tools : Docker, Kubernetes  
Configuration Management Tool : Ansible  
Automation Tools : Maven  
Infrastructure as Code : Terraform  
Monitoring Tools : Prometheus, Grafana, Cloud Watch and ELK Stack etc.  
Infrastructure Architect : Designing VPC, and Route53  
Scripting Language : YAML, Shell, and Python.  
Agile Methodology : Scrum  
Other tools known : Jira, Visual Studio Code, Putty, MobaXterm, FileZilla, Team Viewer.

## EXPERIENCE:

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| 1. NowApps Technologies Private Limited | Bengaluru, Karnataka [Mar2023 – Present]   |
| 2. Micro Degree                         | Bengaluru, Karnataka [Aug2024 – Mar2025]   |
| 3. Harman International                 | Bengaluru, Karnataka [Nov2023 – April2024] |

## Project

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### 1. Channelconnect

Here we designed and implemented highly available and scalable infrastructure to deploy applications provided by developers, ensuring stability and security. Established VPNs for all clients to enhance security and mitigate vulnerabilities. Implemented a custom Amazon CloudWatch Agent to enable detailed monitoring of application and database metrics across server infrastructure and migrate the database to RDS for the better security and backup purpose.

**Goal:** Optimization of resources in order to reduce infra cost and increasing developer's productivity.

**Steps:** Monitored CPU and memory utilization across all staging machines, configured Cron jobs to periodically clear space, and collected the latest logs to enhance system understanding and performance.

**Tech stack:** Terraform, Jenkins, AWS [ALB, Route53, EC2, VPC, SG, VPN, Lambda etc].

### 2. Tradeskart

Developed and deployed TradesKart, a B2B sales and channel management platform that provides real-time sales tracking, seamless data integration, and enhanced partner visibility. The application was hosted on AWS, utilizing its scalable and secure infrastructure to ensure high availability and reliability. Monitoring and alerting were managed through AWS CloudWatch, with notifications configured via AWS SNS for timely alerts.

Automated the entire build and deployment pipeline using Jenkins, seamlessly integrating with Git repositories to streamline code retrieval, build, and deployment processes. Additionally, ensured effective code versioning, maintained consistent environments, and optimized deployment workflows for improved efficiency and reliability.

**Tech stack:** Docker, Jenkins, AWS [ALB, Route53, EC2, VPC, SG, VPN, Lambda etc].

### 3. Deployment of n8n Automation Platform for Workflow Orchestration

Deployed and configured the n8n automation server with custom domain hosting, utilizing AWS Certificate Manager (ACM) for SSL/TLS encryption. Enabled collaborative workflow development for engineering teams, including automation of client-side website sales data retrieval and monitoring.

### 4. Multi-Server Deployment Automation Using Kestra & Ansible

Implemented end-to-end deployment automation using Kestra with Ansible integration to orchestrate code delivery across multiple remote servers, reducing manual deployment time and effort by over 80%, and enabling faster, consistent, and error-free releases.

## Education

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Completed Bachelor of Engineering at Malnad College of Engineering, Hassan, Karnataka.