

VIKAS REDDY DEVARINTI

AWS Cloud Engineer

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SUMMARY

I am a **Cloud Engineer** with over **3 years of experience** working on **AWS** and **cloud infrastructure**. I am skilled in building scalable systems, automating tasks, and managing CI/CD pipelines to keep applications stable and reliable. I have experience in **cloud migration, containerized deployments, monitoring, security**, and supporting enterprise-level applications.

TECHNICAL SKILLS

- **Cloud Platforms & Services:** AWS (EC2, S3, ECS, EKS, ECR, IAM, RDS, VPC, Route 53, CloudWatch, CloudTrail, SNS), IBM Cloud, Oracle Cloud, Azure, GCP.
- **CI/CD & DevOps Tools:** GitHub Actions, Jenkins, GitLab CI/CD, AWS CodeDeploy, Maven
- **Containers & Orchestration:** Docker, Docker Compose, Kubernetes, Amazon EKS, ECS Fargate
- **Infrastructure as Code & Automation:** Terraform, AWS CloudFormation, Ansible
- **Monitoring, Logging & Alerting:** Amazon CloudWatch (logs, metrics, alarms), Prometheus, Grafana, ELK Stack, Slack integrations
- **Networking & Traffic Management:** VPC, Subnets, Security Groups, Application Load Balancer (ALB), Route 53, Client VPN
- **Programming & Scripting:** Python, Bash, VBScript, YAML, JSON, Java, C++, Problem Solving
- **Security & Engineering Practices:** IAM, KMS, AWS WAF, CloudFlare, Image Scanning, Blue-Green deployments, Agile & DevOps practices

PROFESSIONAL EXPERIENCE

AWS Cloud Engineer

Jun 2025 – Present

IBM – USA

- Designing and managing scalable AWS infrastructure using multi-account setup with AWS Organizations.
- Creating secure network architecture using VPC, Subnets, Security Groups, ALB, Route 53, and Client VPN.
- Migrating applications and databases from **Heroku to AWS**, ensuring smooth transition with zero critical downtime.
- Managing PostgreSQL databases on Amazon RDS, including backups, monitoring, and performance tuning.
- Deploying containerized applications using **Docker and ECS Fargate** to support auto-scaling workloads.
- Building and maintaining CI/CD pipelines using **GitHub Actions, ECR, ECS, and CodeDeploy**.
- Implementing **Blue-Green deployments** to release features safely without impacting users.
- Improving application security using **AWS WAF and CloudFlare** to protect against threats.
- Working with clients to integrate APIs between platforms and manage traffic efficiently using ALB.
- Monitoring infrastructure and applications using **CloudWatch, CloudTrail, SNS, and AWS Chatbot**.
- Used application logs and metrics from **AWS CloudWatch** to identify unusual patterns and support early issue detection.
- Supported intelligent alerting workflows by structuring monitoring data to reduce noise and improve incident response time.
- Helped design scalable AWS infrastructure that can reliably support **AI and data-driven applications** by ensuring stable compute, storage, and networking.

- Worked on maintaining and supporting the internal intranet systems for Harley-Davidson.
- Developed automation frameworks using **VBScript**, reducing manual work by nearly **25%**.
- Led a small automation team for code changes, reviews, and bug fixes.
- Fixed automation failures and improved script reliability.
- Used **ServiceNow** to track and resolve user-reported issues on a daily basis.
- Conducted knowledge transfer sessions to train new joiners and support team transitions.
- Received a **Certificate of Excellence** for contributions to automation work.
- **Infrastructure and DevOps Responsibilities**
- Managed **20+ Linux servers** running WebSphere and Apache environments.
- Automated routine server tasks using **Python and Bash scripts**.
- Supported application deployments on **Oracle Cloud and IBM Cloud** platforms.
- Maintained Jenkins pipelines for deployments across dev, QA, and production environments.
- Used **Docker and Maven** to ensure consistent builds and deployments.
- Worked closely with development and QA teams following Agile and DevOps practices.

PROJECTS

AWS DevOps Pipeline Project

- Built an end-to-end CI/CD pipeline using **GitHub Actions**.
- Automated code build, testing with pytest, Docker image creation, and deployment to **AWS EKS**.
- Used multi-stage Docker builds to reduce image size and improve performance.
- Configured IAM roles and permissions for secure access between services.
- Stored build artifacts securely in **Amazon S3**.
- Set up **CloudWatch alarms** integrated with Slack for real-time alerts.
- Created **Grafana dashboards** using Prometheus to monitor Kubernetes pod metrics.

Dropbox Prototype

- Built a scalable file storage and sharing system similar to Dropbox.
- Implemented features like file upload, sharing, and group creation.
- Developed REST APIs using **Node.js** and **React**.
- Used **Kafka**, **Amazon S3**, **MongoDB**, and **SQL** for data handling.

Predicting City Health Metrics Using Big Data

- Collected data from open sources and performed analysis using **R Studio**.
- Used **Sparklyr** for big data processing.
- Created visual reports and maps using R libraries.
- Helped users compare health metrics of different regions for better decision-making.

Starbucks Prototype

- Developed a multi-tenant order processing system on AWS.
- Built REST-based services using **React and AWS EC2**.
- Used **AWS Load Balancer and Auto Scaling** for high availability.
- Implemented API routing using **Kong API Gateway**.

EDUCATION

Master in Information Technology and Management

Indiana Wesleyan University

Aug 2023 – May 2025

Bachelor Of Technology in Electronics and Communication Engineering

Karunya Institute of Technology and Sciences

July 2018 – May 2022