Dhiraj Dagabaj

AWS DevOps Engineer www.dhiraj.cloud
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Professional Summary

Dynamic AWS DevOps Engineer with 2 years of experience in designing, deploying, and managing scalable AWS cloud infrastructure. Proficient in automating CI/CD pipelines, container orchestration, and implementing robust monitoring and security solutions. Skilled in leveraging AWS services, Kubernetes, and observability tools to enhance system performance and reliability. Experienced in managing full AWS accounts for clients, including cost optimization and multi-application deployments. Seeking to contribute expertise to innovative organizations driving technological excellence.

Technical Skills

- **Cloud Platforms**: AWS (EC2, ECS, EKS, S3, IAM, Route53, CloudWatch, CloudFormation, Lambda, DMS, CodeBuild, CodeDeploy, CodePipeline, SQS)
- **CI/CD Tools**: Jenkins, AWS CodePipeline, CodeBuild, CodeDeploy
- **Containerization & Orchestration**: Docker, Kubernetes, ECS on EC2, Fargate
- **Infrastructure as Code**: CloudFormation, Terraform
- **Programming Languages**: Java, Spring Boot, Python, JavaScript
- **Scripting**: Shell, PowerShell, SQL, AWS CLI
- **Databases**: MySQL, PostgreSQL, MongoDB
- **Message Queues**: Apache Kafka, AWS SQS
- **Operating Systems**: Linux/Unix, Windows Server
- **Version Control**: Git, GitHub
- **Monitoring & Observability**: Grafana, Prometheus, AWS CloudWatch
- **Security**: IAM, Firewalls, OS Hardening, AWS Security Services
- **Middleware**: Apache HTTP Server, Tomcat

Professional Experience

DevOps Engineer Quickinfra Cloud Solutions, Pune, Maharashtra
May 2023 – Present

- Architected and managed AWS cloud infrastructure (EC2, ECS, EKS, S3) to ensure high availability, scalability, and performance for enterprise applications.
- Designed and implemented CI/CD pipelines using AWS CodeBuild, CodeDeploy, CodePipeline, and Jenkins, reducing deployment time by 40%.
- Automated infrastructure provisioning and configuration with CloudFormation and Terraform, improving deployment consistency and reducing manual errors.
- Deployed and maintained monitoring solutions using Grafana, Prometheus, and CloudWatch, enabling proactive issue detection and resolution.
- Enhanced security by implementing IAM policies, configuring firewalls, and performing OS hardening, achieving compliance with organizational security standards.
- Led cost optimization initiatives using AWS Cost Explorer, implementing reserved instances and right-sizing resources, resulting in 25% cost savings.
- Contributed to Quickinfra's internal product deployments, streamlining release cycles and improving product delivery efficiency.

Freelance AWS DevOps Engineer

Independent Client, Remote
January 2024 – Present

- Managed the entire AWS account for a client, overseeing the deployment and maintenance of three web applications on Aws EC2 and RDS.
- Optimized application performance through load balancing, auto-scaling, and Route53 configurations.
- Implemented cost management strategies using AWS Cost Explorer, tagging resources, and leveraging reserved instances, reducing monthly expenses by 20%.
- Automated CI/CD pipelines using AWS CodePipeline and Jenkins, ensuring seamless and reliable deployments.

Education Bachelor of Science in Computer Science Mumbai University, Maharashtra
August 2019 – November 2022

Certifications

- AWS Certified Developer – Associate (2024) Validation
  : Link

Projects

Email Processing System Using AWS SQS and Java SDK

- Developed a scalable email processing system using Java Spring Boot and AWS SDK, leveraging AWS SQS for message queuing.
- Processed high volumes of user emails asynchronously, ensuring fault tolerance and reliability with SQS dead-letter queues.
- Integrated MongoDB for storing email metadata and Apache Kafka for real-time event streaming, improving system throughput by 35%.
- Deployed the system on ECS with automated CI/CD pipelines, achieving zero-downtime deployments.

Microservices Deployment on EKS with Java Spring Boot

- Designed and deployed a microservices architecture on AWS EKS using Java Spring Boot and MongoDB for data persistence.
- Implemented Kubernetes auto-scaling and load balancing to handle variable traffic loads, improving application uptime to 99.9%.
- Configured Prometheus and Grafana for real-time monitoring of service health and performance metrics.
- Automated deployments using AWS CodePipeline and CodeBuild, reducing deployment time by 50%.

Real-Time Data Pipeline with Apache Kafka and AWS Lambda

- Built a real-time data processing pipeline using Apache Kafka and AWS Lambda to handle streaming data from multiple sources.
- Integrated with AWS SQS for reliable message delivery and MongoDB for data storage.
- Deployed the pipeline on AWS ECS, with CloudWatch for monitoring and alerting, achieving sub-second latency for data processing.
- Optimized infrastructure costs using AWS Cost Explorer, saving 15% on compute resources.

Additional Information

- **Languages**: English (Fluent), Hindi (Fluent), Marathi (Native)
- **Interests**: Cloud Architecture, Open-Source Contributions, Automation Scripting •

  Availability: Immediate