BALAJI JAYAKUMAR

Senior DevOps Engineer

Contact - 9585840473
Email - balaji93bobby@gmail.com

SUMMARY

Experienced Senior DevOps Engineer with expertise in designing and managing cloud-native systems on AWS and container orchestration with Kubernetes. Proficient in CI/CD pipelines, serverless automation, and Kubernetes Management. Demonstrated success in optimizing cloud costs, enhancing system reliability, and delivering infrastructure services from concept to production. Skilled in collaborating with cross- functional teams to build secure, scalable, and efficient solutions.

Certifications:
- RedHat Openshit Administrator
- AWS Certified Cloud Practitioner

EXPERIENCE:

Ardens Business Solutions Private Limited

Senior DevOps Engineer (03/2024 - 04/2025)

- Designed and implemented cloud-native systems on AWS using core services like **ECS, EKS, Cloudfront, SQS, WAF, KMS, S3, RDS, and VPC.**
- Automated infrastructure provisioning using Terraform and CloudFormation, enabling rapid environment setup for Dev, UAT, and Prod.
- **Built CI/CD pipelines with Github** and AWS CodePipeline for seamless application deployment, adhering to Git branching models.
- Deployed containerized applications with **Kubernetes** and **Helm**, optimizing resource utilization and scalability.
- Engineered serverless automation components using Python, improving operational efficiency and reducing manual tasks.
- **Reduced AWS costs by 24%** through targeted optimization strategies, including reserved instance planning and rightsizing.
- Established monitoring and observability solutions using **Elasticsearch, Logstash, Kibana, Grafana and Prometheus** ensuring system reliability and proactive issue resolution.
- Collaborated with **cybersecurity** and architecture teams to deliver secure and reliable infrastructure solutions.

Testsigma Technologies PVT LTD
AWS Solutions Engineer (12/2022 - 07/2023)

- Developed and maintained DevOps workflows, including CI/CD pipelines, to support seamless software delivery on Kubernetes-based platforms.
- Conducted Proof of Concepts (POCs) for integrating Testsigma's solutions with client environments, leveraging tools like **Jenkins and AWS CodeBuild.**
- Automated deployment processes with Python scripting, enhancing efficiency and reliability.
- Managed AWS infrastructure, including **ECS, EKS, RDS, and VPC,** to support scalable and secure application hosting.
- Deployed and configured monitoring solutions like **Datadog** to track system health and resolve performance issues proactively.
- Collaborated with product owners and QA teams to implement continuous delivery with **Infrastructure-as-code (IaC).**

Concentrix Technologies India Pvt Ltd
AWS Support Engineer (01/2022 - 09/2022)

- Provided AWS cloud support, troubleshooting issues related to EC2, S3, RDS, and VPC for enterprise clients.
- Assisted in configuring and deploying AWS services, including **ECS** and auto-scaling solutions, for highly available systems.
- Diagnosed and resolved network connectivity and performance issues in hybrid cloud environments.
- Supported **IAM** policy configurations to ensure secure access control and compliance with client requirements.
- Automated routine tasks using **Python and AWS Lambda**, reducing operational overhead.
- Monitored cloud environments with tools like **CloudWatch** and identifying and resolving potential bottlenecks.

Bright Champs Tech Pvt Ltd
Coding Educator (08/2021 - 01/2022**)**

- Taught coding fundamentals and advanced concepts to young learners through engaging, interactive online classes. Delivered lessons in Scratch, **Python, Web Development (HTML, CSS, JavaScript),** and App Development.
- Mentored students through hands-on projects, fostering problem-solving and logical thinking. Provided personalized feedback and progress updates, while contributing to curriculum enhancement.

AWS Cloud Engineer
Coyna LLP (Project) 2023 - 2024 Remote

- Provided solutions for an early-stage startup in setting up the AWS infrastructure for their deployment for dev and UAT environment.
- My expertise was implemented in services like **VPC, EC2, Security Group, WAF, RDS, Auto scaling group, ECS, Application Load balancer and ECR**

EDUCATION
Alagappa University
Bachelor of Science in Computer Science

Skills

- Cloud Platforms: AWS, GCP, Kubernetes, Docker, ECS, EKS
- Infrastructure as Code (IaC): Terraform, CloudFormation, Ansible
- CI/CD Tools: Jenkins, GitLab, AWS CodePipeline, Helm
- Programming: Python, YAML, Linux Scripting
- Data Engineering: Redis, Kafka
- Monitoring Tools: Datadog, ELK Stack, Prometheus, Grafana
- Networking: VPC, Load Balancing, Security Groups, Route53

Key Achievements

- Successfully migrated applications to AWS EKS, reducing downtime and improving scalability.
- Enhanced deployment cycles by 40% through automation and CI/CD improvements.
- Delivered successful POCs that contributed to client acquisition and improved platform adoption.
- Enhanced application deployment speed by 25% by optimizing CI/CD pipelines and automating repeatable tasks.
- Reduced cloud-related incidents by 20% through proactive monitoring and issue resolution.
- Implemented cost optimization strategies, enabling a 15% reduction in AWS operational expenses.