BALAJI JAYAKUMAR

Senior DevOps Engineer

E **9585840473** @ **balaji93bobby@gmail.com** ⑨ **Chennai**

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.

EXPERIENCE

03/2024 - Present

Chennai, India
Senior DevOps Engineer

Ardens Business Solutions Private Limited

Early stage startup specializing in HRMS and ERP SaaS product

- Designed and implemented cloud-native systems on AWS using core services like ECS, EKS, 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 solutions using New Relic, ELK Stack, and Prometheus, ensuring system reliability and proactive issue resolution.
- Collaborated with cybersecurity and architecture teams to deliver secure and reliable infrastructure solutions.

12/2022 - 07/2023

Chennai, India
AWS Solutions Engineer

Testsigma Technologies PVT LTD

Automation Testing SaaS product

- 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).

01/2022 - 09/2022

Chennai, India
AWS Support Engineer

Concentrix Technologies India Pvt Ltd

- 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.

08/2021 - 01/2022
Chennai, India
Coding Educator

Bright Champs Tech Pvt Ltd

An educational company teaching coding to children.

- Teaching school students the basics of Python Programming and Scratch.
- Training and mentoring students to maximize team performance.
- Troubleshooting problems and diagnosing system faults.

Coyna LLP (Project)
2023 - 2024 Remote

AWS Cloud Engineer

- 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

Bachelor of Science in Computer Science
Alagappa University

LANGUAGES

Tamil - Native
English - Native Proficiency

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.

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