Sreehari S Kumar

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LinkedIn | GitHub | Portfolio | Medium

Summary

Experienced and results-driven Cloud and DevOps Engineer with over 4 years of hands-on experience in designing, implementing, and maintaining cloud-based solutions. Proven expertise in leveraging Amazon Web Services (AWS) to automate the deployment and management of cloud resources, optimizing for cost and performance. Skilled in leading cross-functional teams and collaborating closely with stakeholders to deliver high-quality projects on time and within budget.

Skills

- **AWS Services** - EC2, ECS, RDS, IAM, VPC, EBS, S3, EFS, RDS, ELB, Lambda, KMS, CloudWatch, Guard Duty, Route53, CloudFront, Code Build and Security Hub
- **Infrastructure as Code** - Terraform
- **Containerization** - Docker, ECS
- **Automation** - Ansible
- **Version Control** - Git
- **Scripting** - Bash, Python
- **CI/CD Implementation** - Jenkins, GitHub Action

Experience:

Sr. DevOps Engineer

Crozaint Technologies Pvt Limited, Ernakulam, Kerala   06/2023 – 07/2024

- Orchestrated Docker containers using AWS ECS for containerized deployments, scaling, and management.
- Implemented Infrastructure as Code (IaC) principles using tools such as Terraform, reducing deployment time and ensuring consistency.
- Automated testing processes and integrated them into CI/CD pipelines, ensuring high code quality and reliability of deployments.
- Collaborated closely with development, operations, and QA teams to streamline processes and foster a DevOps culture within the organization.
- Optimized cloud resource utilization and costs by 30%, leveraging AWS cost management tools and strategies to achieve significant savings.
- Spearheaded continuous improvement initiatives, including performance tuning, infrastructure upgrades, and adoption of new technologies to enhance system scalability and reliability.

Analyst - Cloud & DevOps
FutureBlox Technologies Pvt Ltd, Trivandrum, Kerala   03/2022 - 12/2022

- Developed and maintained CI/CD pipelines using tools like Jenkins, GitHub Action to automate building, testing, and deployment processes.
- Worked with AWS and Azure to manage cloud infrastructure.
- Used Docker to containerize applications and managed container orchestration using Docker Swarm.
- Created and maintained shell scripts to automate daily operational tasks, improving efficiency and reducing manual effort.
- Managed and monitored infrastructure and applications using monitoring tools like Zabbix, New Relic, and Wazuh, setting up alerts and notifications to ensure system stability and availability.

L2 Server Engineer
HashRoot Technologies (P) Limited, Ernakulam, Kerala   12/2021 - 03/2022

- Monitored server health, performance, and security using tools like Nagios, Zabbix, or Prometheus, ensuring optimal uptime and responsiveness.
- Developed and maintained Bash scripts to automate routine tasks, improving operational efficiency and reducing manual effort.
- Diagnosed and resolved L2 server issues related to Linux and WHMCS, ensuring minimal downtime and maintaining SLAs (Service Level Agreements).

Server and Network Administrator Trainee
Spices Board, Ernakulam, Kerala   02/2020 – 12/2021

- Implemented and managed LDAP servers for centralized user authentication across systems.
- Utilized Ansible for automation, including tracking hardware addresses of servers to ensure consistency and compliance.
- Developed shell scripts for automating backup tasks, enhancing efficiency and reliability.
- Configured and optimized Apache and Nginx web servers, including setting up reverse proxies to enhance web application security and performance.
- Proficient in managing MySQL and MariaDB databases, including installation, configuration, and optimization for performance and reliability.
- Utilized methodologies to prevent unrestricted access to the servers.

Education

- B.E. Computer Science and Engineering, 2016
  Dr. Paul's Engineering College, Pondicherry

Projects

- Implementation of muti-tier high availability IP-geolocation application using docker swarm.
- Terraform VPC module to create subnets (Private & Public) on a new VPC, with route table and its association.
- Launching a WordPress website on LAMP stack across different operating systems using ansible playbook.
- Website hosting on Amazon S3 (with CloudFront) without enabling public access.
- CI/CD pipeline to automate docker image build using ansible & Jenkins.
- Integrating API Gateway with Lambda function to automate start-stop activity of EC2 instances.
- Infrastructure design and deployment for Send2 Money Transfer Application using AWS ECS Fargate
  - Built highly scalable, secure, and automated infrastructure for a money transfer platform.
  - Implemented blue-green deployments using ECS, ALB, and Fargate for zero-downtime updates.
  - Configured secure communication via AWS Certificate Manager (ACM) and monitored performance with CloudWatch.

Reference:
Available upon request.