Kavya Selvam

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Summary

DevOps Engineer with **4+** years of hands-on experience in **CI/CD automation**, **cloud infrastructure**, and **container orchestration**. I specialized in streamlining delivery pipelines, cutting deployment times, and optimizing cloud spend. Proficient in **AWS**, **Azure DevOps**, **Docker**, and **Kubernetes**, with strong **Python scripting** skills to automate workflows and manage complex **microservices architectures**. Passionate about driving efficiency, scalability, and reliability in modern cloud-native environments.

Skills

- Amazon Web Services (AWS)
- Azure DevOps
- CI/CD
- Infrastructure development
- CloudFormation, Terraform
- Docker, ECS
- Python

- Automation
- Kubernetes
- Linux
- Git
- RDS, PostgreSQL
- Javascript
- ReactJs

Experience

Likewize, Chennai — DevOps Engineer

July 2021 – Present

- ➢ Developed and maintained **CI/CD workflows** in **Azure DevOps** to accelerate and automate the software release process.
- ➢ Architected and built **DevOps infrastructure** from scratch for various applications, establishing standardized deployment workflows.
- ➢ **Containerized 12+ microservices** using **Docker** and orchestrated with Amazon ECS, improving application scalability and reliability.
- ➢ Designed and implemented **Infrastructure as Code (IaC)** using **AWS CloudFormation**, reducing provisioning time by **70%**.
- ➢ Created **Python** scripts leveraging **Boto3** to **automate AWS tasks**, significantly reducing manual effort and improving efficiency.
- ➢ Configured monitoring and alerting with Amazon CloudWatch, decreasing system downtime through **proactive notifications and fast issue resolution**.
- ➢ Resolved high-priority production issues, improving recovery speed by 50% and maintaining a **95% resolution success rate**.
- ➢ Authored comprehensive **DevOps documentation** to support faster onboarding and effective knowledge sharing across teams.
- ➢ **Reduced AWS cloud costs by 25%** by right-sizing underutilized resources and deploying **auto-scaling** based on demand.
- ➢ Enhanced AWS security by configuring **IAM** roles, **VPC** security groups, and enforcing **encryption** for data in transit and at rest.

Education

R.M.K Engineering College, Chennai

Anna University

B.E – Computer Science | 2017 – 2021 | CGPA: 8.54

Projects

- **Global Commerce Solution – E-Commerce Platform**
  - ➢ Built resilient and scalable cloud infrastructure using Infrastructure as Code (IaC) to support high-volume daily transactions and peak traffic demands.
  - ➢ Developed automation scripts in Python for provisioning and managing 30+ AWS services, improving deployment speed and reducing manual effort.
  - ➢ Designed and implemented end-to-end CI/CD pipelines for both serverless (Lambda, API Gateway) and server-based (EC2, ECS) components, enabling zero-downtime deployments.
  - ➢ Configured Auto Scaling Groups (ASG) and Application Load Balancers (ALB) to ensure consistent performance and maintain 99.9% system uptime under variable load conditions.

- **Global - LWR**
  - ➢ Migrated codebase and CI/CD pipelines for 15+ microservices from CircleCI/GitHub to Azure DevOps, consolidating workflows and improving pipeline governance.
  - ➢ Implemented blue-green deployment strategy, ensuring seamless releases with zero downtime and continuous service availability.
  - ➢ Optimized build and deployment workflows to reduce pipeline latency and enhance overall developer productivity.
  - ➢ Authored detailed migration documentation and conducted knowledge transfer sessions for 3 cross-functional teams, ensuring smooth adoption and operational continuity

Recognitions

- **Top 10** in the **Rising Star** Award – Innovative contributions to cloud transformation
- **Individual award winner** – Cost saving automation solutions and outstanding performance

Certifications

- Udemy - **AWS Associate Developer**
- Business English certification - Vantage level

Languages

- English
- Tamil