

Internship Offer: AWS DevOps Engineer for SaaS AI Agent Host Deployment

Position: AWS DevOps Engineer Intern

Location: Remote

Type: Internship (Part-Time/Full-Time)

Duration: 3-6 months (with the possibility of extension)

About Us

We are building an innovative **SaaS AI Agent Host** designed to empower users with AI-driven applications through a scheduled demo before subscription. Our platform is based on Flask for the UI and integrates Docker for containerized user environments, ensuring that each user experiences a seamless deployment.

We are seeking an **AWS DevOps Engineer Intern** to assist with the deployment, scaling, and automation of the infrastructure supporting our SaaS platform.

Role Overview

As an **AWS DevOps Engineer Intern**, you will be responsible for helping to deploy, manage, and automate the infrastructure supporting the SaaS AI Agent Host platform. This role will give you hands-on experience with AWS services, Docker, CI/CD pipelines, and infrastructure as code (IaC) using Terraform or CloudFormation.

Key Responsibilities:

- Assist in the deployment and management of AWS infrastructure, including **EC2, ECS, EKS, S3, and RDS**.
 - Implement CI/CD pipelines for automated deployments using **AWS CodePipeline, CodeDeploy, or GitHub Actions**.
 - Automate infrastructure provisioning using **Terraform** or **AWS CloudFormation**.
 - Monitor and manage Docker containerized environments for each SaaS user instance.
 - Integrate with payment platforms like **Stripe, PayPal, or Square** to automate the creation of user environments post-payment.
 - Implement logging and monitoring solutions using tools like **AWS CloudWatch, Prometheus, and Grafana**.
 - Contribute to scaling and load balancing strategies for the SaaS platform.
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Required Skills & Qualifications:

- Basic experience with **AWS services** (EC2, S3, RDS, etc.).
- Familiarity with **CI/CD tools** like **Jenkins, AWS CodePipeline, or GitHub Actions**.
- Hands-on experience with **Docker** and container orchestration tools such as **Kubernetes** or **ECS**.

- Understanding of **Infrastructure as Code (IaC)** principles with tools like **Terraform** or **AWS CloudFormation**.
 - Familiarity with monitoring and logging tools such as **AWS CloudWatch**, **Prometheus**, or **Grafana**.
 - Knowledge of payment gateway integration with **Stripe**, **PayPal**, or **Square**.
 - Strong problem-solving skills and a desire to learn and grow in a fast-paced environment.
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Preferred Qualifications:

- Prior experience with **Flask**-based applications or similar frameworks.
 - Experience with **serverless architecture** using **AWS Lambda**.
 - Familiarity with **API Gateway** and **AWS IAM** for user management and security.
 - Knowledge of load balancing and scaling practices in **AWS** environments (e.g., **Elastic Load Balancer**, **Auto Scaling Groups**).
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What You'll Gain:

- Hands-on experience with deploying and managing AWS infrastructure for a SaaS application.
- Practical experience with Docker containerization and scaling in cloud environments.
- Exposure to payment processing workflows and integrating them into SaaS applications.
- A deeper understanding of DevOps best practices, automation, and infrastructure management in a real-world scenario.
- The opportunity to work with a passionate team and contribute to an innovative AI-driven platform.