| **Mobile Number: +91 6381438398**  **Email Address: vickeevicky199@gmail.com**  **Location: Kanyakumari, Tamil Nadu, India.**  **LinkedIn Profile Link:**  <https://www.linkedin.com/in/vigneshesakkimuthu/> | Vignesh E  ***DevOps Engineer*** |
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**Profile Summary**

Experienced DevOps Engineer with 2 years of hands-on expertise in designing, implementing, and maintaining CI/CD pipelines. Adept at leveraging automation tools like Ansible amd Azure DevOps to streamline development processes and improve overall efficiency. Skilled in cloud technologies, including AWS and Azure, for scalable and resilient infrastructure deployments. Strong collaborator with cross-functional teams to ensure seamless integration of development and operations.

**Skills**

**AWS | TERRAFORM | AZURE DEVOPS | ANSIBLE | GIT | GITHUB |**

**DOCKER | KUBERNETES | DATADOG | JIRA | RDS | HAVA.IO**

**PYTHON SCRIPTING**

**Work Experience**

DEVOPS ENGINEER **| ARTHUR GRAND TECHNOLOGIES |** TRICHY **|** *March ‘2022 - CURRENT*

* Orchestrated AWS infrastructure using Terraform, configuring services such as EC2, EKS, Fargate, Autoscaling Groups, Launch Templates, EBS volumes, and security groups.
* Managed Application Load Balancers (ALB) to optimize traffic distribution and set up CloudWatch alarms for Auto Scaling group scaling policies, integrating with Lambda for event-driven actions.
* Implemented IAM users, roles, and policies tailored to project-specific security requirements.
* Successfully launched Ansible tower (AWX) completely on EKS fargate integrated with AWS RDS, running in production as a configuration management tool.
* Utilized Amazon S3 for scalable and secure storage needs and managed DNS with Route 53, integrating with ACM for enhanced security.
* Leveraged AWS RDS for Aurora PostgreSQL and MySQL databases, ensuring reliable and efficient database operations.
* Proficiently utilized Terraform for Infrastructure as Code (IAC), including working with Terraform Modules for dynamic subnet allocation.
* Established monitoring and optimization strategies using Datadog, including customized dashboards, monitors, and Application Performance Monitoring (APM) for .NET-based applications and AWS Lambda.
* Configured CI/CD pipelines in Azure DevOps, employing YAML templates for defining and automating infrastructure creation, streamlining development and deployment processes.
* Configured automation for hourly convergence of EC2 instances using Chef and Ansible, ensuring consistent system configurations and deployments.
* Demonstrated proficiency in scripting with Python to automate tasks and enhance operational efficiency.
* Wrote Ansible Playbooks and done molecule testing and deployed through Ansible AWX.
* Leveraged Hava.io to visualize and document the evolving cloud architecture, ensuring clear communication and efficient planning throughout the project.
* Implemented the new Design of the EKS Cluster to maintain the Control plan also Fargate.
* Configure our application such that it can run on both managed and fargate pods.
* The EC2, S3, and IAM Terraform Modules were developed and then implemented as already existing Terraform resources.

**Projects**

* launched the entire Ansible Tower (AWX) environment on Eks Fargate and integrated the RDS database to store the configuration data, successfully configuring both the development and production environments.
* Contributed to the migration of from Chef to Ansible. created comprehensive Ansible playbooks, and successfully converted existing Chef cookbooks into efficient Ansible playbooks.
* Contributed to the migration of infrastructure from on-premise to AWS for the Cloud City project, ensuring smooth transition and optimal cloud architecture.
* Collaborated in developing and managing using Chef for the Mediagenix Whatson project, ensuring consistent system configurations and deployments.
* Participated in implementing CI/CD pipelines using Azure DevOps for the Mediagenix Whatson project, facilitating safe and efficient software deployments, and assisted in setting up monitoring using Datadog for performance tracking and issue detection.

**Education**

**MCA | S.T.HINDU COLLEGE| NAGERCOIL**

**BSC | PIONEER KUMARASWAMY COLLEGE | NAGERCOIL**