

ARUNKUMAR SELVARAJ

DevOps Engineer CI/CD Automation Cloud Infrastructure AWS & GCP Expertise

+91 8072988452 @ arunkumarselvaraj.m@gmail.com Arunkumar-Selvaraj ArunkumarSelvaraj-M

Thedavur(po), Gangavalli(tk), Salem(dt) 63 6116.

SUMMARY

I have over 3 years of full-time experience as a DevOps Engineer, continuously learning new technologies and programming languages. I have led teams of up to 12 people, with a strong focus on startup environments. I possess a solid understanding of the Software Development Life Cycle (SDLC), including Continuous Integration (CI), Continuous Deployment (CD), and Continuous Delivery (CD). My expertise includes working with AWS and GCP cloud providers and utilizing Infrastructure as Code (IaC) tools like Terraform to create and manage secure, highly available, and cost-efficient cloud infrastructure.

EXPERIENCE

DevOps Engineer

Cloud Garage LLP

11/2021 - Present Perambalur

A technology-focused company providing cloud solutions:

- Managed cloud resources and utilized CI/CD pipelines for streamlined deployments.
- Configured CI/CD with **Jenkins** and **GitHub Actions**, automating builds, testing, and deployments.
- Leveraged **Docker** and **Kubernetes** for efficient container management and scalable, seamless deployments.

EDUCATION

MCA – Master of Computer Application CGPA – 8.5

Roever Engineering College (Anna University)

2019 - 2021 Perambalur

PROJECTS

Auto Cloud

11/2023 – 11/2024

Automated cloud resource deployment and management across **AWS**, **Azure**, and **GCP**, ensuring security compliance.

- Led a team of 10 as **Scrum Master**, automating resource deployment and management across **AWS**, **Azure**, and **GCP** using **Terraform** for **Infrastructure as Code (IaC)**.
- Ensured security compliance by integrating **Checkov** for static analysis and **SonarQube** for continuous code quality and vulnerability scanning.
- Contributed to both **frontend** and **backend** development, collaborating with **cross-functional teams** to drive seamless integration and delivery.

KEY ACHIEVEMENTS



Team Leadership Success

Led a team of 12 on cloud automation project



Pipeline Optimization

Optimized CI/CD pipelines boosting deployment speed by 30%.



Cloud Management Efficiency

Managed Cloud infrastructure, reducing downtime by 25%.



Automation Implementation

Streamlined Jenkins-as-Code, automating 10+ Docker image builds weekly.

SKILLS

Programming and Database

Shell Script Python MySQL

Operating System and Tools

Linux Windows JIRA

Confluence Git GitHub

Jenkins GitHub Action Docker

Kubernetes Ansible Terraform

SonarQube Checkov Nginx

Cloud AWS and GCP

IAM VPC EC2 ECR EKS


RDS S3 Route53 CloudWatch

Compute Engine Cloud Run GCR

Cloud SQL Cloud Storage GKE

PROJECTS


Nalan Batters

 09/2024 – 10/2024

Managed the deployment of the Nalan Batters online store by creating a CI/CD pipeline and deploying the project on Cloud Run with domain mapping.

- **Created and managed CI/CD pipeline** using **GitHub Actions** and **Terraform**, automating the process of building, testing, and deploying the Nalan Batters online store to production.
- **Deployed the application to Cloud Run**, leveraging its serverless architecture for efficient, scalable hosting of the website.
- **Mapped the custom domain** to the Cloud Run service using **Cloud Run Domain Mapping**, ensuring smooth and reliable access to the site via the mapped domain name.


TikTik

 07/2024 – 08/2024

Managed the deployment of the TikTik application by creating a CI/CD pipeline and deploying the project on Cloud Run with domain mapping.

- **Created and managed CI/CD pipeline** using **GitHub Actions** and **Terraform**, automating the process of building, testing, and deploying the TikTik application to production.
- **Deployed the application to Cloud Run**, utilizing its serverless architecture to ensure efficient, scalable hosting.
- **Mapped the custom domain** to the Cloud Run service using **Cloud Run Domain Mapping**, enabling seamless access to the application via the custom domain name.


Airbuzz

 03/2023 – 04/2024

Managed the deployment of the **Airbuzz** site on **Azure**, automating key deployment processes and ensuring high availability.

- Set up a **developer environment** on **Azure Virtual Machine (VM)**, deploying the **Airbuzz** site via **Remote Desktop Protocol (RDP)**.
- Configured the site to run as a **Windows service**, ensuring continuous availability and minimal downtime.


Tekfillo

 11/2022 – 02/2023

Focused on deploying and managing applications using **Amazon EKS**, automating infrastructure provisioning, and building robust deployment pipelines.

- Managed **Amazon EKS** upgrades using **Blue-Green deployment** strategies to minimize downtime during updates.
- Automated **Docker image** builds and pushed images to **AWS ECR** for secure container storage and deployment.
- Developed and maintained **CI/CD pipelines in Jenkins** for multi-environment deployment, ensuring smooth integration and delivery processes.
- Utilized **Terraform** to automate infrastructure provisioning and deployment management across multiple environments.

Jenkins (saas)

 02/2022 – 05/2022

Led automation of Jenkins infrastructure and Docker image management within a **SaaS** environment.

- Configured **Jenkins-as-Code** for managing **plugin installations**, user creation, and Jenkins job setup.
- Built **Docker images** for Jenkins using **Terraform** and pushed them to **Google Container Registry (GCR)** for container storage and distribution.
- Automated the creation of a **Google Compute Engine (GCE)** VM instance that used **Google's Container-Optimized OS** to deploy the Docker images, ensuring seamless infrastructure provisioning.