

# ASHWATH RAM J

DevOps Engineer — AWS — Docker — CI/CD

+91 9176578001 — ashwathramj.devops@gmail.com — LinkedIn: linkedin.com/in/ashz3003 — GitHub: github.com/Ashwathaz — Portfolio: ashwath-portfolio.ddns.net

## Objective

---

A DevOps and Cloud Engineer with hands-on experience in **containerization, CI/CD pipelines, cloud infrastructure (AWS), and automation**, seeking to build and scale reliable systems. Passionate about solving real-world engineering problems through clean, efficient, and production-ready DevOps practices.

## Technical Skills

---

**Languages & Scripting:** Python, SQL, Linux/Bash

**Cloud & Platforms:** Amazon Web Services (EC2, S3, IAM, VPC, RDS, CloudFront) , GCP (Compute Engine, Storage, IAM, VPC )

**DevOps Tools:** Docker, Terraform, Jenkins, Git, CI/CD Pipelines, Prometheus, Grafana

**Software Engineering:** Computer Networking, Operating Systems, Load Balancers, AI Fundamentals, SDLC

## Work Experience

---

### ARCHON Platform 3 Solutions

Dec 2025 – Mar 2026

*DevOps Intern*

- Containerized applications using **Docker** and provisioned scalable cloud environments on **AWS** (EC2, S3, IAM, VPC) with **Terraform**, and built automated **CI/CD pipelines** for end-to-end build and deployment workflows.
- Set up real-time system monitoring and alerting using **Prometheus** and **Grafana** dashboards to track performance metrics and ensure infrastructure reliability.
- Performed **Linux system administration** tasks including server configuration, user and permission management, and network troubleshooting across cloud instances.

### SARSE Technologies

Oct 2025 – Dec 2025

*Testing Intern*

- Designed and executed functional test cases for the **VOTO Ecommerce Web Application**, covering end-to-end flows including product browsing, cart management, checkout, and payment processing.
- Identified, documented, and tracked bugs in collaboration with the development team, and performed **re-testing and regression testing** to validate fixes were stable and deployment-ready.
- Contributed to improving overall application quality and user experience by ensuring all critical user journeys passed before release.

## Projects

---

### Prometheus & Grafana Monitoring Stack

[Repo Link](#)

- Deployed a **multi-instance monitoring architecture** using **Prometheus** and **Grafana** via **Docker Compose**, scraping real-time CPU, memory, and disk metrics from two remote Linux hosts through **Node Exporter**, with auto-provisioned dashboards and **Prometheus alerting rules** for anomaly detection.
- Hardened the setup by restricting **Node Exporter** access to the monitoring instance only via firewall rules, and authored a **Bash install script** to automate Node Exporter deployment as a **systemd service** on remote hosts.

### Metadata-Driven CI/CD Pipeline

[Repo Link](#)

- Built a **fail-fast Jenkins CI/CD pipeline** with a **Python validator** that checks for required project files before build, halting the pipeline with clear exit-code logs on failure; deployment port is read dynamically from **metadata.json** to separate configuration from pipeline logic.
- Containerized the static web app using **Docker** with an **NGINX Alpine** image, tagging each Jenkins build with **BUILD\_NUMBER** for unique, traceable, and rollback-ready **Docker image versioning**.

### AWS Cloud Infrastructure — EC2, Load Balancer & Terraform IaC

[Repo Link](#)

- Provisioned a production-ready **AWS infrastructure** using **Terraform IaC** with a custom **VPC**, public subnets across two availability zones, an **Internet Gateway**, and an **Application Load Balancer (ALB)** distributing HTTP traffic across dev and prod **EC2 t3.micro** instances running Nginx with 30-second health checks.
- Automated multi-environment deployments using a **GitHub Actions CI/CD pipeline** running backend and frontend test suites with **PostgreSQL** and **Redis** service containers, with **S3** provisioned for artifact storage and security groups enforcing defense-in-depth across all instances.

## Education

---

### Sathyabama University, Chennai

Jun 2024 – May 2026

*Master of Computer Applications*

### Vels University, Chennai

Jun 2021 – May 2024

*B.Sc in Computer Science*

## Certifications

---

### AWS DevOps Certification

Oct 2025 – Apr 2026

*FITA Academy, Chennai*

*Scan to download the latest version  
of my resume*

