

EXECUTIVE SUMMARY

AWS Certified Cloud Practitioner and BSc graduate with a strong passion for DevOps. Skilled in automation, Infrastructure as Code (IaC), CI/CD, cloud computing, and containerization. Eager to enhance software delivery and scalability in modern DevOps environments.

TOOLS AND TECHNOLOGIES

<ul style="list-style-type: none">AWSTERRAFORMLINUX	<ul style="list-style-type: none">JENKINSBASH / SHELLDOCKER	<ul style="list-style-type: none">GITHUBNGINXTOMCAT
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TECHNICAL OUTLINE

- OPERATING SYSTEM: [Linux] - Trained in CLI operations, file system, user management, permissions, and package management.
- VERSION CONTROL: [Git] - Used in my portfolio project to track application versions, manage code changes, branching, merging, and commits.
- CLOUD: [AWS] - Certified in AWS with practical experience in deploying applications and managing cloud resources. Familiar with over 40+ AWS services, including EC2, IAM, S3, VPC, Lambda, CloudWatch, and networking essentials.
- DevOps & CI/CD [Jenkins] - Basic hands-on experience with Jenkins for automating builds, testing, and deployments.
- CONTAINER ORCHESTRATION - [Docker & Kubernetes]: Familiar with containerization (Docker) and orchestration (Minikube).
- SERVERS: [Nginx] - Trained in Nginx (reverse proxy, load balancing) and Tomcat (Java application deployment).
- SCRIPTING: [Bash] - Hands-on experience in automation, basic installation, and setting up dependencies for system configurations.

FREELANCE PROJECTS

DYNAMIC WEB APP DEPLOYMENT | [GitHub](#) • [JUL to AUG - 2024]

Project Overview

Designed and implemented a fully automated CI/CD pipeline to deploy a containerized web application on AWS EC2, ensuring scalability, reliability, and minimal manual intervention.

Implementation

- Provisioned AWS EC2 instances and automated the installation of dependencies (Java, Tomcat, Docker) using a Bash script.
- Implemented Docker containerization to standardize deployment and eliminate environment inconsistencies.
- Developed a Jenkins CI/CD pipeline to automate builds, testing, and deployment workflows.
- Integrated GitHub webhooks to trigger deployments automatically upon code changes.
- Deployed on AWS EC2 with security best practices (IAM roles, Security Groups).

Challenges Faced & Solutions

- Manual setup of dependencies on EC2 → Replaced with a Bash script for automated setup, reducing setup time by 80%.
- Inconsistent deployments → Dockerized the application for uniform environments across development and production.
- Slow & error-prone deployments → CI/CD pipeline with Jenkins and GitHub webhooks eliminated manual intervention.

CERTIFICATES

AWS Certified Cloud Practitioner • Issued by AWS | [JAN – 2025 to JAN - 2028]

ACADEMIC CREDENTIAL

Bachelor of Science in Visual Communication | Annai College of Arts & Science, Kumbakonam, Tamil Nadu, India. • 2022 • GPA: 7.79