AWS DevOps Engineer | Fresher

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## OBJECTIVE

As an BSc graduate with a strong passion for DevOps, I am eager to apply my knowledge in areas such as automation, infrastructure as code, and continuous integration to improve software delivery efficiency and foster a collaborative and innovative development environment.

## TOOLS

- AWS
- TERRAFORM
- LINUX
- JENKINS
- BASH / SHELL
- DOCKER
- GITHUB
- NGINX
- TOMCAT

## TECHNICAL OUTLINE

- **OPERATING SYSTEM:** LINUX Terminal, File System, Root, User, Permission, Package Manager.
- **VERSION CONTROL:** GIT: Tools for version control, enabling collaborative software development and tracking changes in source code.
- **CLOUD:** AWS: Involved in designing and deploying a multiple of application utilizing various AWS stack components (Including EC2, IAM, S3, VPC, LAMBDA, EVENTBRIDGE, CLOUDWATCH, SNS) with focus on High- availability, fault tolerance and auto scaling. configuration of Network architecture on (AWS with VPC, SUBNET, INTERNET GATEWAY, NAT, ROUTE TABLE)
- **DevOps & CI/CD:** Automation server for building, testing, and deploying code using JENKINS, developing, shipping, and running applications in containers using DOCKER.
- **NGINX**: High-performance web server and reverse proxy, used for load balancing, SSL termination, and serving static content.
- **TOMCAT**: Java Servlet container for running Java-based web applications, managing servlets, JSPs, and supporting WAR file deployment.
- **SCRIPTING:** SHELL/BASH Linux command-line scripting for automation.

## PROJECTS

### AUTOMATED WEB DEPLOYMENT FRAMEWORK | Github.com/automate-deployment

- Deployed a HTML web app using **Git, AWS, Jenkins, Docker, Apache2**.
- Implemented automation workflow using **Jenkins to monitor GitHub repository for changes and trigger deployment** process.
- Utilized Docker to **containerize applications**, ensuring consistency across environments.
- Deployed applications onto AWS infrastructure, enabling scalability and reliability.
- **Reduced deployment time and manual errors**, enhancing overall efficiency and productivity.

### DYNAMIC WEB APP DEPLOYMENT | Github.com/dynamic-web-app-deployment

- **Created a web page** with two buttons using HTML, CSS, and JavaScript to show messages from the backend.
- **Built backend services with Java Servlets** to handle requests and send back messages in JSON format.
- Used Maven to build the project into a **.war** file for deploy on TomCat server.
- **Deployed the application using Docker on AWS**, ensuring it runs consistently in different environments.
- **Automated the deployment process using GitHub web hooks**, streamlining updates and deployments.

## ACADEMIC

| YEAR | EXAMINATION/COURE | UNIVERSITY/BOARD | CGPA/PERCENTAGE |
|---|---|---|---|
| **2022** | BSc Visual Communication | Annai College of Arts and science, Kumbakonam. | **7.79** |
| **2019** | 12th | Government Boys Higher Secondary School, Nannilam. | **41.67%** |
| **2017** | 10th | Government Boys Higher Secondary School, Nannilam. | **60.60%** |