GAVEEN BUDDHIKA

DEVOPS / CLOUD ENGINEERING INTERN

CONTACT

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- 🌐 Portfolio/Gaveen Buddhika

TECHNICAL SKILLS

FRAMEWORKS & TECHNOLOGIES

- Docker
- Github Actions
- Kubernetes
- Linux CMD
- Nginx
- AWS
- Git & Github
- React Js
- Springboot
- MySQL

PROGRAMMING LANGUAGES

- Bash
- Java
- HTML
- JavaScript
- PHP
- Python
- C

ABOUT

Dedicated Software Engineering Undergraduate with a strong focus on DevOps. Seeking to leverage my skills in teamwork, communication, organizational, and interpersonal abilities to contribute meaningfully to the workplace. Pursuing a Bachelor's degree in Software Engineering. Skilled at web development, DevOps, and effective team collaboration. A passionate and motivated worker aiming to become a valuable asset to the team.

EDUCATION

BSc. (hons) in Software Engineering   **2022 - PRESENT**
University of Kelaniya , Sri Lanka.

Current GPA - **3.2 /4.0**

Domains:
- Data Science and Machine Learning
- Net-Centric Web Application Development
- Business Engineering Application

G.C.E Advance Level - **Physical Science**   **2020**
Mahinda College, Galle

Z score - **1.5627**

- Chemistry   -   A
- Combined Mathematics -   B
- Physics   -   B
- General English   -   C

PROJECTS

Production Pipeline (Individual)   **August 2024**

Github Actions | AWS ECR & EC2 | Docker | Nginx

I set up CI/CD pipelines to automate various tasks. I created pipelines to build and push Docker images to Docker Hub and later updated them to push to Amazon ECR and deploy to an EC2 instance. I also added a pipeline for running unit tests and builds on pull requests, integrated vulnerability scanning, and enforced branch rules for pull request approvals and status checks. Additionally, I developed a pipeline to build and deploy the frontend application to an NGINX server.

https://github.com/GaveenBuddhika/production-pipeline

NGINX Docker Container in AWS (Individual)   **SEPTEMBER 2024**

Nginx | Docker | AWS IAM | ECR | EC2

An NGINX Docker container was deployed on AWS EC2 with the Docker image stored in Amazon ECR. IAM roles, users, and policies were configured to ensure secure access, allowing EC2 instances to pull images from ECR without hardcoded credentials. This setup focused on leveraging IAM for fine-grained access control and scalable, secure interaction between AWS services.

https://github.com/gaveenbuddhika/nginx-docker-container-in-ec2

Employee Management System (Individual)
May 2024

Full Stack Web Application

HTML| JavaScript | Boostrap | REST API | Java Spring Boot |MySQL

The user management system is a web application developed with Spring Boot for backend functionality and JavaScript, HTML, and Bootstrap for the frontend. It offers essential CRUD operations to manage employee data, allowing users to save, delete, retrieve, and update employee records efficiently.

https://github.com/gaveenbuddhika/simple-employee-management-system

Personal Portfolio(Individual)
May 2024

Web Application

React Js | CSS | |React Boostrap | Docker

This portfolio project uses React for the UI, React Bootstrap for responsive design, and custom CSS for styling. It is organized into public and src directories for static assets and source code, respectively. The application is containerized with Docker, using a Dockerfile based on the node:20.6-alpine image for a lightweight setup.

https://github.com/gaveenbuddhika/portfolio

Github Custom Actions with Dependency Caching
August 2024

Github Actions | Dependency Cache

A custom automation pipeline is created using GitHub Actions with custom workflows and dependency caching to optimize build times. The pipeline automates the process of building, testing, and deploying applications by leveraging reusable custom actions. Dependency caching significantly improves efficiency by storing and reusing dependencies between workflow runs, reducing the need to re-download them every time. This approach ensures faster execution, cost efficiency, and a streamlined development workflow, making it ideal for continuous integration and deployment (CI/CD) environments.

https://github.com/gaveenbuddhika/custom-actions

Bash Script for Check AWS Resources
September 2024

Linux | Bash

This project is a Bash script that automates the process of listing resources in an AWS account. It supports various AWS services, such as EC2, RDS, S3, Lambda, and more. Users can specify the AWS region and service, and the script retrieves and displays the resources in a readable format. It also checks if AWS CLI is installed and configured before running.

https://github.com/gaveenbuddhika/awsresources-script

CERTIFICATES

- Docker Training Course for the Absolute Beginner from KodeKloud
- Introduction to AWS Cloud Careers by AWS
- Introduction to Front-End Development by Meta
- Version Control by Meta
- Javascript Basics Udemy
- HTML5 Basics in Udemy

VOLUNTEERING EXPERIENCE

Joint Director - Digital Media & Public Relations Avenue
2023 JULY - 2024 JULY
Rotaract Club of University of Kelaniya.

Editorial Lead
2023 - PRESENT
IEEE Computer Society , University of Kelaniya.

Co - Editor
2023 - PRESENT
Software Engineering Students' Association ,
University of Kelaniya.

Member
2022 - PRESENT
IEEE Students' Branch ,University of Kelaniya.