

Joshua Mathew

+91 9744530126

Email : umjoshua@gmail.com

LinkedIn: @umjoshua

GitHub: @umjoshua

FIELD OF INTEREST

DevOps — Software Development.

EDUCATION

- **Vimal Jyothi Engineering College** Kannur, Kerala
Bachelor of Technology in Computer Science and Engineering (CGPA: 7.79) Aug. 2019 – July, 2023
- **NSS HSS Alakode** Alakode, Kannur, Kerala
HSE Board, Govt. Kerala (Marks: 83%) 2017 – 2019

PROJECTS

- **Complete CI/CD Pipeline for Java Gradle Application** Author
Implemented a CI/CD pipeline for a Java application. The pipeline is designed to deploy the application on a Kubernetes cluster using GitLab CI/CD, Kubernetes, SonarQube, Nexus, Helm and datree.
 - Source Code available at: <https://github.com/umjoshua/gitlab-cicd-gradle>
- **Microservice Architecture and System Design with Python & Kubernetes** Author
Designed and implemented a robust microservice architecture using Python, Docker, Kubernetes, and RabbitMQ, showcasing proficiency in system design, containerization, orchestration, and message queuing for a scalable and efficient video to audio converter.
 - Source Code available at: <https://github.com/umjoshua/system-design-python>
- **Security Automation using cloud native architecture** College Project
A DevOps framework for automating the black box test-ing of cloud applications.
 - Source Code available at: <https://github.com/DemoCorpEcom/CloudGuard>
- **Face recognition from low quality video using SRGAN** Team Leader
An AI tool to recognize human faces from low quality video.
 - Source Code available at: https://github.com/umjoshua/face_recognize_and_enhance
- **College Techfest Website** Team Leader
Created and deployed a website for college tech fest, enabling seamless registration for 4000+ program participants, utilizing ReactJS, NodeJS, ExpressJS, and MongoDB to ensure robust functionality and efficient data management.
 - Available at: <https://techfest.vjec.ac.in> Source Code: https://github.com/umjoshua/tantra_22
- **Memories Blog** Author
A demo Blog Application using ReactJS, NodeJS, ExpressJS and MongoDB
 - Source code available at: github.com/umjoshua/memories-blog

PROGRAMMING SKILLS AND TECH STACKS

- **CI/CD:** Jenkins, GitLab CI
- **Docker, Kubernetes, Helm, Datree**
- **Languages:** Go, Python, C, JavaScript, SQL
- **Frameworks/Libraries:** ReactJS, NodeJS
- **Cloud Fundamentals:** AWS, GCP
- **IaC:** Terraform
- **Configuration Management:** Ansible
- **Git:** GitHub, GitLab
- **Conversant in Linux**
- **Good Typing Speed (80 wpm)**

EXPERIENCE AND INTERNSHIPS

- **Web Developer Intern** Ed-Gaadi
October 2022 - December 2022
 - Worked with ReactJS, React Native, NodeJS
- **Android App Developer** Enfono Technologies
June 2021 - Dec 2021
 - Worked with Flutter
- **Software Development Cell, VJEC** Kannur, Kerala
Jan 2021 - Feb 2021
 - Worked in the development of a web-based application 'Census data collection and analysis', which was developed to collect data from around 2.4 lakh persons

VOLUNTEERING

- **Workshop Speaker:** Conducted a hands-on session on Introduction to Git and GitHub for the students of VJEC under IEEE CS Society, VJEC
- **Workshop Speaker:** Conducted a hands-on session on Introduction to RDBMS and RDBMS applications in Vimal Jyothi College of Engineering
- **Workshop Speaker:** Conducted a hands-on session on Basics of C for students of VJEC under CSI, VJEC