Joshua Mathew

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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, Argo CD
- **Docker, Kubernetes, Helm, Datree**
- **Languages**: Go, Python, C, JavaScript, SQL
- **Frameworks/Libraries**: ReactJS, NodeJS
- **Cloud Fundamentals**: AWS, GCP
- **IaC**: Terraform, Pulumi
- **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 Developer**   Software Development Cell, VJEC
                                                        Jan 2021 - Feb 2023
  - 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
  - Worked in multiple projects.

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