

NIRAIMATHI K G C

Engineering - Software

+917010622173

@ niraimathikgc@gmail.com

www.linkedin.com/in/niraimathikgc

Chennai

EXPERIENCE

Engineer - Software

Technologies Pvt. Ltd

08/2023 Bengaluru, India

- Automated manual tasks through scripting languages such as Python and Shell, boosting team productivity levels
- Improved code deployment efficiency by automating processes with CI/CD pipelines using Jenkins and GitHub Actions
- Increased the code stability by 28% by enforcing mandatory code coverage criteria
- Increased 25% productivity by implementing an end-to-end CI/CD process
- Designed and implemented containerization strategies using Docker and Kubernetes, improving resource utilization and management
- Performed regular vulnerability assessments using tools like BlackDuck, Twistlock, Coverity, and SonarQube to identify and fix security risks, ensuring compliance and improving overall system security.
- Maintained version control systems such as GitHub and BitBucket for all software development projects used in the organization

Edge Device Management Portal

EDM Portal

06/2022 Location

- Management Portal and the Edge device software for the Edge devices in the industries which checks and monitors the health and its process
- Create Ansible-playbooks for managing and configuring the Edge devices in an automated way, this helped the team in increasing the productivity by 20%

DevOps automation in UEstimate

UEstimate

05/2022 Location

- Creating and managing project proposals
- Containerized the entire application ensuring the microservice architecture is achieved, this helped in independent auto-scaling of the application on demand which increases the stability of the application
- Implemented CI/CD pipeline using Jenkins multi-branch pipeline which helped in automating the recurring tasks

Mobile HMI builder

UFlex

08/2022 Location

- Mobile HMI: Advanced HMI Builder to visualize OPC data using various data-source and visualize it into a meaningful trends/dashboards
- This application is created as micro-services as each and every services of the application can be scaled up or scaled down based on the requirement

SUMMARY

2.7 Years of Experience in CI/CD, Cloud Automation, and Infrastructure as Code

Results-driven DevOps Engineer with 2.7 years of experience in designing, implementing, and optimizing robust CI/CD pipelines. Proficient in cloud automation on Azure, leveraging tools like Kubernetes, Docker, and Terraform to deliver scalable and efficient solutions. Expertise in version control systems (Git, Bitbucket), configuration management (Ansible), and continuous integration tools (Jenkins). Skilled in containerization and orchestration, streamlining deployments and improving operational efficiency. Adept at driving innovation, ensuring high availability, and enhancing team productivity through cutting-edge technologies and best practices.

LANGUAGES

English

Advanced



Tamil

Advanced



SKILLS

Ansible

Artifactory

Azure

Azure Cloud

Azure Devops

Bitbucket

CI/CD

Continuous Integration

Devops

DevSecOps

Django

Docker

Git

Github

Github Actions

Gitlab

Jenkins

Jfrog

Kubernetes

Linux

Micro-services

Nginx

Python

Sonarqube

Terraform

YAML

KEDA

HPA

EXPERIENCE

DevOps in Modernization and Optimization Deployment

Technologies Pvt. Ltd

📅 02/2024 📍 Location

- Implemented and enforced the DevOps Automation and security standards by implementing CI/CD pipelines using GitHub Actions
- Enforced mandatory security scans like BlackDuck, Coverity and Twistlock which will ensure application security
- Implemented Code coverage criterias which helped in increasing the code stability and helped developers to write and maintain stable code
- Enabled automated report generation for LOC, Security reports and Pipeline activity status which helped the team to understand the current stand of the program

DevOps in Enterprise Port Activation portal

ePAT

📅 02/2022 📍 Location

- Helps to activate network device port activation and stable communication
- Automated the Postman APIs with automating switching of parameters and data based on the response and variables
- Automated recurring tasks using powershell, shell and python scripts which helped in reducing the development testing time
- Designed and implemented master-to-master Database replication in mariaDB, MySQL which helped in High availability, redundancy and load balancing in the application

Edge gateway Kubernetes Adoption

Technologies Pvt. Ltd

📅 04/2022 📍 Location

- Contributed to convert the monolithic application into a microservice based architecture to support deploying in AKS
- Created charts in helm and used kustomize to improve the modularity and easy deployment of application and proper parameterization
- Handled liveness, readiness, startup probes in the newly implemented manifests which increased stability of the application

EDUCATION

Bachelor of Science

Alagappa Institute of Technologies

📅 06/2025 - 06/2025 📍 Chennai, TN

- Expected in Bachelor of Science: Computer Science

Computer Engineering

Ramakrishna Mission Polytechnic College

📅 06/2021 - 06/2021 📍 Chennai, TN

- Diploma: Computer Engineering

High School

Vellammal Vidyashram

📅 04/2017 - 04/2018 📍 Chennai, TN