

PRASAD GUNAWARDHANA

Devops Engineer

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Profile Summary

Motivated IT undergraduate with a background in software engineering and a strong interest in DevOps practices. Skilled in version control, containerization, and automation using Git, Docker, and CI/CD pipelines. Familiar with cloud platforms such as AWS and infrastructure as code concepts. Eager to start my career as a DevOps intern and gain hands-on experience in deployment automation, cloud infrastructure management, and system monitoring while contributing to real-world projects.

Core Highlights

- Well-versed in related modules such as Data Structures and Algorithms, Object-Oriented Programming, Information Security, Database Management Systems, Computer Vision and Image Processing, Object-Oriented Design Patterns and Principles, and Software Architecture.
- Good problem-solving ability and quick adaptability to new tools and technologies.
- Basic understanding of cloud services (AWS) and infrastructure as code (Terraform).
- Enthusiastic to gain practical DevOps exposure and contribute to real-world projects.

Core Skills

Programming Languages | Java, JavaScript, Python
Databases | MySQL, MongoDB, Firebase, SQL
Tools | GitHub, Postman, Docker, Linux ,Ansible, Terraform , GitLab
Cloud Platforms| S3,EC2,IAM,Lambda,RDS,AWS CLI
Containerization & Orchestration| Docker
CI/CD & Automation| GitHub Actions, Jenkins pipelines, Linux shell scripting

Work Experience

Intern -software Engineer| NOVA TECH LAB(PVT)LTD.Panadura ,sri Lanka | Mar 2025-Sep2025

- Assisted in the development and maintenance of applications.
- Developed responsive web interfaces using React.js, JavaScript, and CSS.
- Collaborated with backend developers to integrate APIs and ensure smooth data flow.
- Participated in coding, testing, debugging, and documenting software components.
- Collaborated with team members to analyze requirements and design solutions.
- Learned and implemented best practices in software development.

Projects

Construction Management System | React | Nodejs | Express | MongoDB

The Construction management system developed using the MERN stack offers a comprehensive solution for users and administrators.

Online Sales Management System | React | Firebase [Link](#)

Developed a web-based platform for customers to find photography-related services for weddings.

DevOps Project | GitHub | Jenkins | Terraform | Ansible | AWS EC2

Designed and implemented a complete DevOps workflow where Jenkins automatically pulls code from GitHub, provisions AWS EC2 infrastructure using Terraform, and configures the servers with Ansible for seamless application deployment.

CI/CD Pipeline Project | Jenkins | Git | Maven | Tomcat

Built a fully automated CI/CD pipeline using Jenkins to continuously pull code from Git, build the application with Maven, run tests, and deploy the generated artifact to an Apache Tomcat server.

GitLab CI Pipeline Project | GitLab CI/CD | Maven | SonarQube | Docker

Implemented a complete CI/CD pipeline using GitLab CI to build a Java application with Maven, perform code quality analysis using SonarQube, and execute the pipeline using a Docker runner on an AWS EC2 instance.

Education

BSc (Hons) in information Technology Specializing in information | University of SLIIT | 2022-present

G.C.E Advanced Level | Niwaththakachethiya national college | 2017-2019

References

Miss K.A.C Indumini

Academic Instructor at SLIIT

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