

HARSHA KUMARASINGHA

DevOps INTERNSHIP

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[LinkedIn](#) / [Portfolio](#) / [GitHub](#)

PROFILE

I am a motivated Software Engineering student with a strong interest in **DevOps, CI/CD pipelines, and cloud automation**. I have gained foundational experience in **infrastructure automation, containerization, and cloud technologies** through coursework and projects, working with **Docker, Kubernetes, Jenkins, Terraform and AWS, Azure**. I am eager to expand my hands-on experience in a **DevOps internship**, contributing to deployment automation, system optimization, and cloud infrastructure management.

PROJECT COLLOABORATION

I've worked on a variety of projects using different technologies, including Java, Python, Next.js, HTML, CSS, JavaScript, ReactJS,NextJS, Node.js, MySQL, SQL Server, PostgreSQL, Firebase, and MongoDB and Cloud AWS(EC2,S3). My experience spans both front-end and back-end development, allowing me to build full-stack applications efficiently.

- OREL EV Charging Mobile and WEB Application (Ongoing) – **Flutter,Next.js,Node.js,Express.js,PostgreSQL,AWS Cloud Service(EC2,S3)**
 - Core Functionality: Enables users to locate real-time EV charging stations, check availability, and navigate using Google Maps API.
 - Scalability & Performance: Uses AWS Cloud Services and PostgreSQL to ensure high availability and efficient data management.
 - Mobile & Web Compatibility: Built as a cross-platform application for seamless access across devices.
 - Testing & Automation: Utilizes Selenium for automated testing to improve reliability and performance
- JobHub Web Application – **React.js ,Node.js,Express.js,Mongodb** GitHub Repo
 - Built a full-stack job-matching platform using React.js, Node.js, Express.js, and MongoDB.
 - Implemented Selenium for frontend automation testing and Postman for backend API validation.
 - Enabled real-time job postings and student registrations with MongoDB database updates.
- LMS Web Application - **React.js ,Node.js,Express.js,Mongodb** GitHub Repo
 - Instructor Features: Allows instructors to create, manage, and update courses.
 - Student Features: Enables students to register, enroll in courses, and track progress in real-time.
 - Database Management: Uses MongoDB for dynamic course updates and user data management.
 - Frontend Testing: Tested using Selenium to ensure UI functionality and responsiveness.
 - Backend Testing: Uses Postman for API testing, ensuring seamless backend performance and reliability.
- Currency Value Web Application - **React.js, Node.js,Express.js** GitHub Repo
 - Core Functionality: Allows users to search for live currency exchange rates and compare values across multiple currencies.
 - Real-Time Data: Fetches updated exchange rates dynamically to ensure accurate price comparisons.
 - User Experience: Provides an interactive and intuitive interface for seamless currency tracking.
 - Performance Optimization: Optimized for fast data retrieval and efficient API calls.
- Portfolio Web Application – **Next.js,Tailwind CSS,Firebase** GitHub Repo
 - provides a modern, responsive, and dynamic platform to showcase projects, skills, and experiences. It features smooth navigation, optimized performance, and a clean UI for engaging user experience

EDUCATION

BSc (Hons) Software Engineering

CINEC Campus

2022-Present

Advanced Level

Badulla Central Collage

2017

TECHNICAL AND SOFT SKILLS

Technical Skills

- **Database Management:**
 - PostgreSQL | MongoDB | MySQL Server | Firebase | SQL
- **Programming Languages:**
 - Java | Python | JavaScript
- **Version Control:**
 - GitHub | GitLab
- **CI/CD Tools:**
 - Jenkins | CircleCI | GitHub Action
- **Automation Tools:**
 - Postman | Selenium | JMeter
- **Cloud:**
 - AWS (EC2, S3, Lambda, CloudFormation) | Azure
- **Other Tools:**
 - Docker | Kubernetes | Linux | Terraform | Bash | Ubuntu

Soft Skills

- Problem Solving | Teamwork | Communication | Time Management
- Critical Thinking | Adaptability | Collaboration | Attention to Detail

Qualifications And Certificates

Certifications

- DevOps Pre-Requisite Course (KodeKloud)
- Jenkins Project: Building CI/CD Pipeline for Scalable Web Applications(KodeKloud)
- AZ900: Microsoft Azure Fundamentals (KodeKloud)
- AWS Fundamentals (Coursera) – Covered AWS cloud essentials, architecture solutions, and cloud migration techniques for efficient deployment and management.
- AI/ML Engineering (SLIIT-Distance Learning)
- Selenium Fundamentals (Alison)- Focus on **Test Automation**, **Selenium WebDriver**, and **Script Writing**
- Python Crash Course (Coursera)
- Agile Project Management ([Coursera](#))

REFERENCES

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