

HARSHA KUMARASINGHA

SOFTWARE ENGINEERING INTERNSHIP

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

PROFILE

Motivated Software Engineering student skilled in full-stack development, cloud platforms (AWS, Azure), and DevOps practices. Proficient in JavaScript, React.js, Node.js, Python, Java, and databases like MySQL, PostgreSQL, and MongoDB. Experienced in developing scalable applications and optimizing performance. Seeking an opportunity to apply my technical skills and grow in a dynamic environment.

PROJECT COLLOABORATION

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

- **JobHub Web Application – React.js ,Node.js,Express.js,Mongodb**
 - 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**
 - 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**
 - 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.
- **OREL Cooperation EV Charging Mobile and WEB Application – Flutter, Next.js,Node.js,Express.js,PostgreSQL,AWS Cloud Service**
 - 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
- **Portfolio Web Application – Next.js,Tailwind CSS**
 - 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

2015-2017

TECHNICAL AND SOFT SKILLS

Technical Skill

- **Database Management:**
 - PostgreSQL | MongoDB | MySQL Server | Firebase
- **Programming Languages:**
 - JavaScript | React | Java | Python
- **Version Control:**
 - GitHub | GitLab
- **Automation Tools:**
 - Postman | Selenium | JMeter
- **Cloud:**
 - AWS Cloud | Azure
- **Other Tools:**
 - Docker | Jenkins | Selenium | JMeter | Kubernetes | Linux

Soft Skill

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

Other Skill

- **Social Media Login Automation:** Automated login functionality tests using Selenium to validate user authentication across different browsers and devices.
- **JMeter Performance Testing:** Developed test scripts to automate load and stress testing for websites, ensuring scalability and performance under heavy traffic.

Qualification And Certificate

Certifications

- Selenium Fundamentals (Alison)- Focus on **Test Automation**, **Selenium WebDriver**, and **Script Writing**
- AWS Fundamentals (Coursera)- Learn cloud services and **AWS architecture** to support **test automation** in cloud-based applications.
- Python Crash Course (Coursera)
- AI/ML Engineering (SLIIT-Distance Learning)
- Agile Project Management (Coursera)
- DevOps Pre-Requisite Course (KodeKloud)
- Jenkins Project: Building CI/CD Pipeline for Scalable Web Applications (KodeKloud)
- AZ900: Microsoft Azure Fundamentals (KodeKloud)

REFERENCES

Mr. Dhishan Dhammearatchi

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