WIHANGA DILANTHA

SOFTWARE ENGINEER

CONTACT

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EDUCATION

- **UNIVERSITY OF RUHUNA SRI LANKA FACULTY OF TECHNOLOGY**
  Bachelor of Information and Communication Technology (Honors) - (Jan 2019 - Dec 2023)
  GPA: 3.18/4.00

CERTIFICATED COURSES

- Microservices with Spring Boot, Spring Cloud, Docker, K8s - Udemy
- React Native - The Practical Guide - Udemy
- Introduction to Data Science - Cisco Networking Academy
- Career Essentials in Generative AI by Microsoft and LinkedIn - Microsoft

PROFILE

A passionate software engineer with over one year of experience in Java, Spring Boot and Microservices, specializing in backend development and REST APIs. Additionally, I have over a year of experience in React, Python and Flask. I excel at problem-solving, system design, and system enhancement. As a responsible and self-motivated individual, I am a recent graduate with strong technical skills, eager to embrace challenges, and dedicated to utilizing my abilities to contribute to organizational growth.

WORK EXPERIENCE

Virtusa (Pvt) Ltd | Colombo 9   2023 MAY - PRESENT
Software Engineer Intern

Project : Enterprise Application Group, Virtusa Internal ERP system

- I contributed to developing and maintaining **RESTful API**s using **Java** and **Spring Boot Microservices** architecture and deployed in **MS Azure**.
- I contributed to improving the performance and scalability of the CheckIn web application by optimizing microservices communication and data handling.
- I have taken on the responsibility of implementing some features and functionalities to enhance user experience with **React .**
- I have worked with a large-scale database, ensuring data integrity and efficient data retrieval using **Oracle SQL** and **PL/SQL**.
- I have developed comprehensive **DataLake** reports in **MS Azure Synapse and Analytics** to support business decision-making processes.
- I utilized **PySpark** for writing efficient queries to process real-time, large-scale data in **Azure DataLake** to gain actionable insights.
- I added pipelining and scheduling for DataLake reports to ensure timely and automated data processing. I conducted QA releases, addressed defects, and contributed to production deployment.
- I have utilized **MS Power BI** to create interactive and visually compelling dashboards and reports.
- I have integrated data from the CheckIn web application into **Azure Logic Apps**, ensuring seamless data flow and synchronization.
- I have developed subscribers in Azure Logic Apps for efficient data retrieval and processing while managing deployment processes and addressing defects to maintain functionality and reliability.
- I have effectively communicated with the cross-functional teams, QA team, and Project managers by ensuring a collaborative and smooth workflow in an Agile working environment.
- This experience has deepened my understanding of the complete Software Development Life Cycle (**SDLC**), spanning from inception to deployment and maintenance.

SKILLS

- Java
- Python
- C
- Spring Boot
- Microservices
- Hibernate
- Spring Cloud
- Spring MVC
- Spring Security
- Junit
- Tomcat
- RESTful API
- CI/CD (Jenkins)
- Containers (Docker)
- Container Orchestration (Kubernetes)
- Build Tools
- HTML
- CSS
- JavaScript
- TypeScript
- Flask
- Firebase
- Firebase authentication
- Firebase Realtime Database
- Azure Cloud
- Linux
- PHP
- Laravel
- Bootstrap
- Material-UI
- Tailwind CSS
- React
- React Native
- Node.js
- Next.js
- Android
- CNN
- LSTM
- TensorFlow
- AI
- MySQL
- PostgreSQL
- Oracle SQL
- PL/SQL
- PySpark
- Agile
- Version Control (git)
- Google Colab
- Azure DevOps
- Jira
- Time management
- Critical thinking
- Communication skills
- Adaptability
- Team working

PROJECTS

- **AI-Powered Chess Position Analysis and Move Prediction System**

  Developed a chess position analysis and move prediction system utilizing a CNN model with TensorFlow. Trained the model on Google Colab and designed a user-friendly interface using Bootstrap and Flask for seamless interaction.
  (CNN | Deep Learning | TensorFlow | Flask)

- **AI Powered Speech Emotion Detection System**

  Developed a system capable of detecting human emotions from voice inputs, employing a custom LSTM model trained using TensorFlow. Utilized Google Colab for model training and integration with user interfaces designed using Bootstrap and Flask technologies.
  (LSTM | Deep Learning | TensorFlow | Flask)

- **Modern Portfolio Website**

  A responsive portfolio website has been developed based on a client's requirements to showcase their skills and experiences effectively.
  (React | Next.js | TypeScript | Tailwind CSS)

- **Gas Level Indicator Application**

  Developed an Android application to monitor domestic gas cylinder levels and detect gas leaks in real-time, utilizing IoT devices for live data transfer. Built with React Native and integrated with Google Firebase Realtime Database.
  (React Native | Firebase)

- **RMD Food City Ecommerce Platform**

  Designed and developed the RMD Food City Ecommerce Platform using React JS and Laravel, offering a user-friendly interface and advanced functionalities for a seamless online shopping experience.
  (React Native | Laravel)