



# DULITH DAHANAYAKA

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## PROFILE

Results-driven Associate Software Engineer with one year of experience in backend development. Skilled in building scalable, efficient, and secure applications with a strong foundation in software architecture and database management. Passionate about solving complex problems and optimizing system performance..

## SKILLS & TECHNOLOGIES

- **Programming Languages:** Python, Java, JavaScript, C
- **Backend Framework:** FastAPI, Django, Flask, Spring Boot
- **Databases:** MySQL, PostgreSQL
- **DevOps & Cloud:** AWS, Kubernetes, Docker
- **Frontend & UI (Basic Knowledge):** ReactJS, Next.js
- **Other Tools:** Jira, GitHub, GitLab

## WORK EXPERIENCE

### Associate Software Engineer - Backend

Sept 2024 - Present

Datafab, United Kingdom (Remote)

Focalld Technologies Private Limited, Sri Lanka (Onsite)

- Developed a web scraping system using Python, BeautifulSoup, and Playwright, storing extracted data in PostgreSQL and paradedb.
- Created Dockerized deployments for the scraping system and backend services, ensuring smooth server deployment and scalability.
- Implemented and managed workflow automation using Hatchet Workflow, optimizing data processing and system efficiency.
- Built and maintained backend services with FastAPI, SQLAlchemy, and PostgreSQL, focusing on performance and scalability.
- Designed and developed RESTful APIs for data handling and integrated NextJS for frontend visualization.

### Trainee Software Engineer - Full stack

May 2023 - Sept 2024

Focalld Technologies Private Limited, Sri Lanka(Onsite)

- Developed a Query Builder using Python, Flask, SQLite, HTML, CSS, and JavaScript, allowing users to construct complex queries efficiently.
- Built an HR system using Python (FastAPI) and Next.js (TypeScript), integrating authentication, employee management, and attendance tracking.
- Gained hands-on experience in backend API development, database design, and RESTful service implementation.

## PROJECTS

### Web Scraping and PDF Extraction System - Developer

- Python, FastAPI, Next.js, PostgreSQL

## Banana Usage Predict ML System - Freelance

- Python, FastAPI, React.js

## Criminal Detection System using Computer Vision - Group Project

- Python, C++, OpenCV library

## Online Bookstore - Developer

- Java, Spring Boot, MySQL, HTML, CSS

## AI assistant web application - Freelance

- Django, ReactJS, Docker

## EDUCATION

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### B.Sc in Computer Sciences

Jun 2020 - Mar 2024

#### Faculty of Applied Science University of Sri Jayewardenepura

- Computer Science, Maths and Physics

## STRENGTHS

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### Attention to Detail

- Writing clean, maintainable, and well-documented code.

### Resilience

- Adapts to challenges, maintains focus under pressure, and continuously learns to improve problem-solving capabilities.

### TeamWork

- Collaborates effectively with cross-functional teams, ensuring seamless communication and successful project execution.

### Analytical Thinking

- Ability to assess complex problems, identify patterns, and develop efficient solutions to optimize workflows and system performance.

## CERTIFICATES

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- Hackathon(Hacktitude)- Participated inter-university 2022 -99x.
- Java Microservices with Spring Boot - Google cloud [Coursera]
- Python for Data Science - Coursera
- REST APIs with Flask and Python - Udemy

## EXTRA CURRICULAR

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### University Of Sri Jayewardenepura

- Member of the Computer Science Society
- Committee member of the Rotaract Club
- Physics Society Social Media Manager 2020
- Mathematical Society Event Coordinator 2020

## REFERENCES

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### Dr.P.Ravindra S De Silva

Senior Lecturer  
Department of Computer Science  
Faculty of Applied Science  
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