# Imashi Samarawickrama

Software Engineer

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## PROFILE

I am a punctual and motivated individual who can adapt to any working environment. I am an excellent team worker and am interested in learning new concepts. I aspire to work in an organization that enhances career growth and optimizes my knowledge.

## EDUCATION

**Bachelor of Computer Science (General) Degree**
University Of Ruhuna
11/2021 – present | Matara, Sri Lanka
**Current GPA : 3.51**

**GCE O/L and GCE A/L**
Taxila Central College
2011 – 2019 | Horana, Sri Lanka

## PROFESSIONAL QUALIFICATIONS

**Certificate for Python for Beginners**
offered by the University of Moratuwa

**Certificate for Introduction to Java & Object-Oriented Programming**
from Coursera

**Project Certificate for Figma**
from Coursera

## WORK EXPERIENCE

**Creative Software**
Software Engineer Intern
05/2024 – present | Colombo, Sri Lanka

**AgroLink Project**
Contributed to an agricultural project identifying and segmenting farmlands in Sri Lanka to analyze land areas and provide insights to farmers and stakeholders.
- **Backend Development (ASP.NET Core):** Developed robust backend services with full CRUD operations, creating repositories and controllers for District, AI, User Account, and User Roles, while implementing JWT authentication, lazy loading, and filtering for enhanced performance.
- **Database Management & JSON Handling(MSSQL):** Designed and managed the MSSQL database and implemented JSON serialization/deserialization for effective data handling.
- **CI/CD Pipelines (Azure):** Designed and implemented Azure pipelines for frontend, backend, Python microservice, and proxy server, automating builds and pushing images to DockerHub.
- **Helm Deployment:** Developed an umbrella Helm chart.

**Mini Project**
- **Backend Development & CI/CD:** Implemented backend services with full CRUD operations, creating repositories and controllers for District, Water Source, and Users, while setting up Azure pipelines to automate build and deployment processes.
- **Containerization & Deployment:** Authored Dockerfiles and a Docker Compose configuration (docker-compose.yml) to facilitate containerization and deployment using Docker Compose.

**General Responsibilities:**
- **Version Control (Azure):** Managed version control using Azure, ensuring effective collaboration across projects.
- **Client Engagement:** Participated in client meetings and conducted demonstrations for the company's directors and the Agricultural Department of Sri Lanka.
- **Agile Methodology:** Followed Agile practices, contributing to daily stand-ups, sprint planning, and reviews across both projects.

## PROJECTS

**My Sri Lanka (Final year project)**
Developed a tourism mobile application and an admin dashboard for tourists, allowing tailored travel package selection and automating client management.
- **Mobile Application Development ⬈ (Flutter, MongoDB, NodeJs):**
  - Developed key front-end components, including Sign-up page, Home page, Festival page, A-Z Sri Lanka page, Main day trip package page
  - Integrated all front-end pages with the backend, utilizing MongoDB and Node.js.
- **Web Application Development ⬈ (React, MongoDB, NodeJs):**
  - Developed the Festival and A-Z Sri Lanka pages using React and JavaScript for the web application.

## ACHIEVEMENTS

**Merit Certificate for the Royal Australian Chemistry Quiz**

**Participated in the Hack X 8.0 Inter-University Competition**

## RESPONSIBILITIES

**Leo Club of Colombo Host**
Team Member
present

**CSSC, University of Ruhuna**
Member of the Media unit
2023 – 09/2024

**University of Ruhuna**
Member of Career Guidance Unit
2021 – 2024

## SKILLS

Critical Thinking        ● ● ● ● ○

Time Management          ● ● ● ● ●

Project Planning         ● ● ● ● ○

Communication            ● ● ● ● ○

Team Working             ● ● ● ● ●

Fast Learner & Self Motivated   ● ● ● ● ●

## COURSES

**Introduction to Containers w/Docker, Kubernetes**
IBM - Offered by Coursera
present

**Python for Data Science, AI & Development**
IBM - Offered by Coursera
present

## REFERENCES

**Prathap Nanayakkara**, *Technical Lead,*
Creative Software
prathap@creativesoftware.com, +94(75) 284 0755

**Channa De Silva**, *Software Engineering Director,*
Creative Software
channa@creativesoftware.com, +94(77) 727 3772

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- Implemented the backend using Node.js and MongoDB.
- **API Testing(Postman):** Performed endpoint testing.

**Hospital Appointment System** ⬈
Developed a hospital appointment system that facilitates registration for doctors, patients, and administrators using **C# and MSSQL**
- **Patient Registration Management:** Designed and implemented patient registration management, including full CRUD operations for administrators.
- **Streamlined Onboarding:** Developed patient registration forms to enhance the patient onboarding process.

**Itinerary Planner Desktop Application**
Implemented trip planning functionality in a desktop application, allowing users to create, view, and manage their travel itineraries.
- **User Interface Development(Java):** Designed and developed user-friendly login and registration pages.
- **Backend Integration(MySQL, XAMPP):** Integrated the backend using to manage data storage and user interactions.

**Website for Shanthi Children's Society** ⬈
Developed a prototype website for a local non-profit organization, Shanthi Children's Society, based on information gathered through interviews with stakeholders.
- **Membership Page Development(HTML, CSS, JavaScript):** Developed the membership page, including login and registration forms using JavaScript for secure user authentication.

## KNOWLEDGE AREAS

**Programming Languages**
Java, C#, PHP, Python (beginner), JavaScript (beginner)

**Frameworks and Technologies**
ASP.NET Core, Flutter, Node.js, React JS

**Markup and Styling Languages**
HTML, CSS

**Databases**
MSSQL, MYSQL, MongoDB

**DevOps**
Docker, CI/CD Pipelines, Helm (beginner)

**Operating Sysytems**
Windows, Linux

**Applications**
Visual Studio Code, Android Studio, Postman, Netbeans, and MATLAB

**Other**
Microsoft Azure, Microsoft Office, Figma, GIT/GitHub, Trello