

Vidura Wijerathne

Senior Software Engineer

PROFILE

Seasoned Senior Software Engineer with over 2 years of industrial experience in backend development with 3 years of additional experience in fullstack development and mobile app development across healthcare, banking, and telecommunications sectors. Holds a first-class honors degree in Computer Science and Engineering from the University of Moratuwa, and is proficient with advanced technologies including Java, Spring Boot, and Android. Eager to leverage my deep technical expertise in a new role. Discover more about my projects and professional journey at vidura.me

WORK EXPERIENCE

Mitra Innovation, Moratuwa, Sri Lanka

Service and Solution based company with 200+ employees

Senior Software Engineer

11/2023 – Present

- Served as a Backend Developer for a leading US-based healthcare insurance company's Member Portal project. Responsible for developing REST APIs for the claims submission journey, including the core claim submission API, which was the system's most crucial functionality. *Technologies: Java 8/11, Spring Boot, Jenkins, and Octa Deploy.*
- Independently led the migration of a legacy Spring MVC application to a modern, containerized Spring Boot architecture, enhancing scalability and maintainability.
- Introduced and implemented best practices to the team in areas such as API documentation, exception handling, and data validation.

Software Engineer

05/2022 – 10/2023

- Contributed to a key project for a major banking client in Cambodia aimed at enhancing backend infrastructure to support a tenfold increase in traffic. Key responsibilities included conducting comprehensive performance testing on microservices, optimizing Kubernetes configurations, identifying and resolving system bottlenecks, and conducting quality assessments of existing microservices code to ensure robustness and scalability. *Technologies: Java, Spring Boot, JMeter, JProfiler, Kubenetes.*
- Independently engineered Mitra Innovation's first operational Open Banking platform using WSO2 API Manager, WSO2 Identity Server, and WSO2 Open Banking Accelerator. Successfully integrated these technologies to create a robust Open Banking layer, coupled with Mifos X Core Banking solution and a custom React dashboard, demonstrating the functionality and effectiveness of the solution. *Technologies: WSO2 APIM, WSO2 IS, Apache Fineract based Mifos X, React*
- Contributed as a Spring Boot backend developer on a Cloud Portal project for a leading telecommunications client in Mauritius. Responsibilities included initializing microservices, creating Jenkins pipelines for continuous integration and deployment, developing RESTful APIs specifically for the billing section, and integrating these APIs with the WSO2 API Manager to

CONTACT

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SKILLS

Development Technologies:

- Java
- Spring Boot
- JavaScript
- React
- React Native
- PHP
- HTML/CSS

Techniques:

- Microservice Development
- Web Development
- Mobile Development
- CI/CD
- Agile Methodology

Tools and Software:

- Jira
- Intellij
- VS Code
- Git
- Firebase

Strengths:

- Adapting to tech stack quickly
- Always use latest techniques
- Try to find the optimal solution for every problem

AWARDS

Winners – Let Me Hack

A hackathon organized by University of Sabaragamuwa
Task: To build a set of RESTful APIs for given requirements
2020

Runners-up – EvolutionAI

An AI competition organized by Mitra Innovation. Task: To build a sellable solution utilizing the latest AI innovations.
2023

enhance system interoperability and accessibility. *Technologies: Java 11, Spring boot, WSO2 APIM, Kubenetes, Jenkins*

Omobio, Colombo 04, Sri Lanka

Award-winning and leading telecommunications solutions provider

Intern Full-Stack Developer

10/2020 – 05/2021

- Worked as a full-Stack Developer on a Drupal-based web application for a leading telecom provider in Sri Lanka. Developed front-end components using HTML, CSS, and JavaScript, and implemented back-end functionalities with PHP and Drupal.
Technologies: PHP, Drupal, HTML, CSS, JavaScript, Twig

OTHER EXPERIENCE

Fiverr

Online freelance platform

Freelance Mobile Developer

01/2019 – 10/2020

- Developed both native Android and React Native apps for many foreign companies and individuals. Completed around 30 applications. *Technologies: Java, Android Studio, React Native*

Moraspirit

A leading university sports media organization in Sri Lanka

Head of Web and Technology pillar

02/2020 – 02/2021

- Managed 6 member team and guided to upgrade the Moraspirit mobile app, maintain the web application, and build a new HRIS for the team
- Developed the initial version of Moraspirit mobile app using Android Studio
- Engineered an innovative admin mobile app using Java and Android Studio, integrated with Firebase Cloud Messaging and Cloud Functions to deliver real-time notifications to Moraspirit app for published articles.

EDUCATION

BSc Engineering (Hons) - University of Moratuwa

Computer Science and Engineering

2017 - 2022

GPA – 3.7 (First Class)

G.C.E Advanced Level

Physical science stream

2016

Island Rank – 91

CERTIFICATIONS

- WSO2 Certified API Manager Developer - V3
- WSO2 Certified API Manager Developer - V4 - Micro Integrator
- WSO2 Certified Enterprise Integrator Developer - V7 - Micro Integrator
- EdX Verified Certificate for Exploring GraphQL: A Query Language for APIs
- AWS Fundamentals: Going Cloud-Native
- Google Cloud Platform Fundamentals: Core Infrastructure

PROJECTS

4G Only

- An Android application developed to expose a hidden system menu, enabling users to modify their device's network settings.
- App allows switching between various network modes, enhancing device network speed.
- The application has over **3 Million downloads** in Play Store

Liyamu

- A mobile keyboard application for Android, supporting bilingual input in English and Sinhala.
- The application is designed with a user interface that mirrors the intuitive layout of the iOS keyboard, enhancing user experience and accessibility.

Gas-Co

- A real-time smart gas meter, an innovative IoT solution for home gas tank monitoring.
- A device systematically uploads tank level data to a Firebase real-time database via a home Wi-Fi router.
- Accompanying the synced data, designed an Android mobile application that graphically displays gas levels and sends timely notifications when refills are needed.

REFERENCES

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