



DAHAMI SATHSARANI

Associate Software Engineer

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ABOUT ME

As an associate software engineer with a strategic mindset, I have one year of experience developing and applying software engineering methods to solve real business problems. I have experience in full-stack development, specializing in backend engineering, database design and management, as well as mobile application development. I perform effectively with teams from multiple departments, prefer dynamic environments, and am always ready to learn new skills and adapt to new technology.

EDUCATION

05/2021 – 05/2025

University of Sri Jayewardenepura

Bachelor of Science Honors in Computer Science - Second Lower Division

05/2016 – 08/2019

Gothami Balika Vidyalaya - Colombo 10

G.C.E. Advance Level - Physical Science Stream

EXPERIENCE

Enigma Solutions (Pvt) Ltd

- **Associate Software Engineer**

Mar 2025 – present

Analysing and interpreting customer needs in order to define project boundaries and translate business needs into technical specifications that can be implemented. Designing scalable systems, selecting appropriate technology, and creating development plans that match functional objectives. Ensuring seamless collaboration by clearly communicating technical approaches, progress, and outcomes to stakeholders, keeping the project aligned with overall business objectives and driving successful delivery.

Experienced in handling the full software development lifecycle, including gathering requirements, preparing documentation, designing and developing systems, testing, and deploying applications. Skilled in both frontend and backend development, with a strong focus on problem-solving and delivering efficient solutions. Experienced in delivering customer demonstrations and able to manage tasks independently while ensuring quality, meeting deadlines, and aligning with business goals.

- **Software Engineer Intern**

Sep 2024 – Feb 2025

Freelance Web Developer (Part – Time) - May 2023 – present

CERTIFICATIONS

SQL(Intermediate) certificate in HackerRank

Foundational C# with Microsoft certificate in freeCodeCamp

Database and SQL for Data Science certificate in Coursera

Exploratory Data Analysis for Machine Learning IBM certificate with Honors in Coursera

Microsoft Azure Fundamentals certificate

SKILLS

Programming Languages - Frameworks -	JavaScript, TypeScript, PHP, Java, C/C#, Python, Dart, GoLang, R NodeJS, ExpressJS, NestJS, Codeigniter, Laravel, ReactJS, NextJS, Tailwind CSS, Bootstrap
Mobile Development -	Flutter
Database Management -	MySQL, MsSQL, MongoDB, PostgreSQL, ORMs, SQLite (Functions, Store procedures, Triggers, ER & Schema design)
Software Engineering - Concepts	MVC Architecture, MVP, MVVM, Clean Architecture, OOP, Agile, REST API, SOAP, Microservices
Cloud Technologies -	Microsoft Azure cloud
Tools -	Git & GitHub, VSCode, Figma, Jupyter Notebook, Power BI, Jenkins
Soft Skills -	Communication, Teamwork, Problem solving, Time management

PROJECTS

- **RPA Workflow Automation System**

I contributed to the development of an RPA (Robotic Process Automation) solution that allows users to create and execute automated workflows for repetitive system tasks. The system provides a user-friendly interface where users can build workflows visually, step by step, similar to drawing a diagram. Once the workflow is created, the system uses Selenium to automatically perform the steps, replicating human interaction with the system. I was involved in both frontend and backend development. This project helped streamline repetitive tasks and offered a scalable solution for process automation.

Technologies: Laravel, PHP, JavaScript, MySQL, Selenium

- **Vehicle Service Center Management System**

I developed a vehicle service centre management system to streamline operations for advisors and admins. It automates job creation, service tracking, inventory checks, digital signatures, and bay assignments. The system also includes an admin panel for managing services, vehicles, and staff, improving workflow efficiency, transparency, and overall service management within the centre.

Technologies: Laravel, PHP, React, MySQL

- **QR-Based Digital Gift Card Application**

I developed a mobile application for QR code-based gift card management. The system allows merchants to register and offer digital gift cards, which users can purchase, personalise with designs and messages, and send to others via the app or through social media. Recipients can redeem these gift cards at respective merchants by scanning the QR code, ensuring a secure and seamless transaction process. This project enhanced digital gifting convenience and improved customer engagement for participating merchants.

Technologies: Flutter, Dart, NestJs, MySQL, React, microservices

- **Vibration-based Real-time Sound Sensing System**

Machine Learning, Deep Learning, Python, Android Studio, Arduino, and IoT

REFERENCES

Prof.R.G.N. Meegama

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Department of Computer Science Faculty of Applied Science
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