

Keshara Ranasinghe

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A B.Eng. (Hons) Software Engineering graduate with one year of professional experience as a Web Developer, focused on frontend development for production web systems. An adaptable team player aiming to transition into an Associate Software Engineer role by continuously learning new technologies.

INDUSTRIAL EXPERIENCE

Web Developer

July 2025 - Present

Dimensions IT (PVT) Ltd.

Implemented front-end solutions for website revamps, including responsive UI components and full homepage rebuilds for production systems. Integrated dynamic content via a custom CMS, addressed cross-browser issues, and supported release quality through manual QA.

Tech Stack: PHP, HTML5, SCSS, Tailwind, JavaScript, Bootstrap

Junior Web Developer

Dec 2024 – June 2025

Dimensions IT (PVT) Ltd.

Contributed to modernizing legacy web applications by rebuilding front-end layers on existing systems. Converted outdated and CMS-driven pages into responsive, standards-compliant, and SEO-friendly interfaces while collaborating with senior developers in production environments.

Tech Stack: PHP, HTML5, CSS3, JavaScript, Bootstrap

EDUCATION

Faculty of Engineering Technology – Java Institute for Adv. Technology, Sri Lanka

Nov 2020 – Sep 2025

B.Eng. (Hons) in Software Engineering: GPA-2.52

(Affiliated with IIC University of Technology, Cambodia)

Esoft Metro Campus, Sri Lanka

Oct 2019 – Feb 2020

Diploma in Information Technology (Pearson Assured)

Bandaranayake College – Gampaha, Sri Lanka

Jan 2011 – Aug 2019

G.C.E. Advanced Level – Biological Science (2020): 2Cs, 1S

G.C.E. Ordinary Level (2016): 9As

PROJECTS

Workflow Management System →

An ongoing SaaS-oriented workflow management system designed with a backend-first approach. The system supports core entities such as workspaces, projects, tasks, and configurable workflow states, implemented using a layered architecture for scalability and maintainability. Backend development focuses on clean REST APIs, role-based separation, DTO-driven data flow, and secure authentication using JWT with token rotation. PostgreSQL enforces relational data integrity, with APIs tested and validated through Postman while the frontend is under development.

Tech Stack: TypeScript, Node.js, PostgreSQL, REST APIs, JWT (Token Rotation), DTOs, Layered Architecture, Postman

ApplyHub →

A REST-based web application for tracking job applications across defined stages. Implements secure JWT-based authentication, with MongoDB handling data persistence and a React frontend delivering a responsive, user-focused interface.

Tech Stack: Node.js, Express.js, React, MongoDB, JWT, REST APIs, Figma

MealHut v2.0 →

An e-commerce web application for a restaurant built with MVC architecture to ensure maintainability. Integrated Maven for dependency management and streamlined builds, with JWT tokens ensuring secure user authentication. Utilized Hibernate ORM for data mapping and transaction management within a MySQL database optimized for high-volume interactions. JSON facilitates client-server data parsing, while a Mailtrap-based notification system provides order updates. The UI, designed in Figma, delivers a responsive, user-friendly experience.

***Tech Stack:** Java (Jakarta EE), Maven, HTML, CSS, JavaScript (AJAX), Hibernate, MySQL, JSON, JWT, Mailtrap, Figma*

My Notes →

A mobile application for organizing notes across categories, built with a client-server architecture. The frontend, developed in React Native and Expo, offers a responsive, intuitive UI with persistent login functionality. The backend, created in PHP and hosted on XAMPP, integrates with a MySQL database for secure data management, using JSON for efficient frontend-backend communication. Designed in Figma for a user-friendly and visually appealing interface.

***Tech Stack:** React Native, Expo, PHP, MySQL, JSON, XAMPP, Figma*

SKILLS

Tech Skills

***Programming Skills:** TypeScript, JavaScript, Java, PHP, HTML, CSS*

***Technologies & Frameworks:** React, ExpressJS, Next, NodeJS, MySQL, PostgreSQL, MongoDB, Tailwind, Git*

***Development Tools:** VS Code, Apache Netbeans, Android Studio, IntelliJ IDE, Postman*

Soft Skills

Self-Learning, Problem Solving, Leadership, Good Communication, Time Management, Critical Thinking

CERTIFICATES

Introduction to Programming using Python

Great Learning

Fundamentals of MongoDB

Great Learning

Fundamental of TypeScript

Simplilearn

EXTRACURRICULAR ACTIVITIES

Committee Member of Science Society

Bandaranayake College – Gampaha, Sri Lanka

Apr 2018 – Apr 2019

REFERENCES

Mr. Hasitha Madushan Epa

Full-stack Developer at Dimensions IT (PVT) Ltd

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Mr. Randika Sandaruwan

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