
ISHARA RATHNAYAKE

Software Engineer

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<https://ishara-rathnayake.vercel.app/>

PROFILE

Innovative and adaptable Software Engineer with 5 years of experience in full-stack web and mobile app development. Adept at designing and implementing scalable solutions with a strong focus on usability, accessibility, and performance. Skilled in integrating various systems and working within Agile environments to deliver high-quality, reliable applications. Passionate about leveraging cutting-edge technologies to enhance user experience and improve business processes. Proven ability to collaborate with cross-functional teams to develop innovative software solutions.

WORK EXPERIENCE

Software Engineer at TradeNet Solutions Australia Pty. Ltd

June 2023 - Current

- Assisted in building a deal and rebate management system using Spring MVC, JSP, and Alpine.js. Improved application performance and refactored the front-end codebase to enhance reusability and maintainability.
- Contributed to the development of a reporting system using Spring Boot, JSP, and Alpine.js, eliminating dependency on third-party software. This transition not only reduced costs but also created a new revenue stream by enabling the company to sell the software to customers.
- Internal Task & Documentation Management System: Designed and developed an internal system for task management and documentation sharing, facilitating the support team in tracking tasks efficiently and sharing internal documents seamlessly with users.
- Independently redesigned and improved UI/UX across multiple systems by applying responsive design principles, enhancing navigation flows, and ensuring visual consistency—resulting in a more intuitive and engaging user experience.

Freelance Software Engineer at Playbook Technologies (Pvt) Ltd

May 2022 - July 2023

- Designed and developed a React Native & Firebase-powered booking platform that allows users to reserve sports venues. The app has grown to over 5,000 active users across Android and iOS.
- Worked closely with stakeholders to identify business needs and growth opportunities. Led release planning, sprint management, and roadmap development to ensure efficient project execution.
- Managed junior developers, providing technical guidance and career development support, fostering a high-performing team environment.
- Continuously analyzed and optimized app performance and user experience, ensuring smooth functionality and scalability.

Software Engineer at Digital400 (Pvt) Ltd

May 2022 - January 2023

- Built a powerful Recruiting System using React.js, placing a particular emphasis on building a robust web application that enables automated reference checking.
- Played a part in the development of an e-commerce platform for NZSafetyBlackwoods (Wesfarmers), utilising Next.js for the implementation.
- Participated in code reviews and ensured that all code adheres to industry best practices
- Involved in time estimation and sprint planning.
- Collaborated with cross-functional teams to understand business requirements and develop technical solutions.

Software Engineer at Hatchyard (Pvt) Ltd

September 2021 - April 2022

- Developed and maintained high-performance web and mobile applications for online stock trading using Ember.js, ensuring a seamless user experience.
 - Contributed to the development of a Cordova wrapper for the Ember.js mobile application, enabling cross-platform compatibility and improving performance.
 - Developed a Cordova plugin that automatically reads OTPs, enhancing security and streamlining the authentication process for users.
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Software Engineer at Ingenii Lanka (Pvt) Ltd

June 2020 – August 2021

- Designed, developed, and launched a GPS tracking and fleet management mobile application from scratch using React Native, handling the entire development lifecycle independently.
- Contributed to the development of Ingenii GPS Tracking Platform's web application by improving performance, and developing real-time vehicle tracking and reporting modules.
- Contributed to the implementation of a lightweight socket server, enabling seamless communication with asset-tracking devices.
- Maintained and optimized backend services for report generation, alert management, and notifications, ensuring reliability and scalability.
- Involved in developing web applications for contact tracing during the COVID-19 pandemic, managing construction projects, and creating a native Android app for workforce management.

Trainee Software Engineer at Virtusa (Pvt) Ltd

September 2018 – March 2019

- Assisted in developing a Java enterprise application for MTN, the largest telecommunications company in Africa, with a specific emphasis on provisioning and billing services.
- Created documentation and tested software application.

EDUCATION

BSc. (Hons.) Software Engineering (First Class)

University of Kelaniya (2016 – 2020) – GPA = 3.7077/4.0

Skills – Net-Centric Applications, Mobile Computing Applications, Data Science

SKILLS

- **Programming Languages:** Java, JavaScript, TypeScript
 - **Frameworks and Tools:** React, Spring Boot, Angular, Vue.js, Node.js, Next.js, Express, Firebase, Tailwind CSS, SASS, Storybook, Axios, React Query, Redux Toolkit, Git, Agile, and Testing (Jest, JUnit)
 - **Database:** MySQL, MongoDB, MSSQL, Firestore, and Sqlite
 - **Mobile Technologies:** React Native, Android
 - **Cloud and DevOps:** AWS (EC2, S3, Lambda), GCP, Docker, Git, CI/CD Pipelines
 - **API Protocols:** REST and GraphQL
 - **Project Management Tools:** Trello, Jira, Miro, Clickup
 - **Other:** Mac/Linux/Unix environments, IDEs and design tools
 - **Soft Skills:** Teamwork, Communication skills, Problem-solving, Critical Thinking, Time management
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ACHIEVEMENTS

- Became the 1st Runner Up team in CodeSprint 4.0 hackathon organised by IIT Sri Lanka.
 - Received colours for cricket in 2016, 2017, 2018 & 2019 at the University of Kelaniya
 - Runners-up at Digital Dreams Robotics Competition
 - Captain of the University of Kelaniya cricket team
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VOLUNTEERING

- Volunteer (2025) at Woolworths Cricket Blast Program, Nunawading Cricket Club
 - Volunteer (2017) at University of Kelaniya Vidya Exhibition
 - CSR Project (2016) at Maharagama Cancer Hospital
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REFERENCES

- Available upon request.
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