Bimsara Wickramanayaka

Full Stack Developer

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📍 Kegalle, Sri Lanka   in LinkedIn

○ GitHub   🔗 Portfolio

Profile

Motivated and detail-oriented Intern Full-Stack Developer with strong technical knowledge and a proven ability in hard work, time management, and problem-solving. Highly adaptable and eager to take on new challenges, with a strong capacity to learn quickly and contribute effectively in team environments. Passionate about software development and dedicated to delivering high-quality solutions while continuously enhancing skills and making a meaningful impact on every project undertaken.

Education

2022 – Present	**BSc (Hons) in Computing and Information Systems** *Sabaragamuwa University of Sri Lanka*
2021	**G.C.E. Advanced Level - Physical Science Stream** *Kegalu Vidyalaya, Kegalle*

Projects

Thinkboard (GitHub) ⬈
MERN-Stack Note-Taking Application

- Developed a full-stack note-taking app with a responsive React + TailwindCSS frontend and secure Express.js + MongoDB backend.
- Integrated Upstash Redis-based rate limiting and optimized production build with Vite for scalable, efficient deployment.
- **Technologies: MongoDB, Express.js, React, Node.js (MERN Stack), Tailwind CSS, Upstash Redis | Tools: VS Code, Vite**

Smart Crop Planner – Mobile Application
(*Group project*)

(GitHub) - Frontend Repository ⬈ **/ Backend Repository** ⬈
- Developed a mobile-first solution designed to assist Sri Lankan farmers by providing AI powered predictions a way to communicate and distribute harvest.
- Implemented predictive models for image-based disease recognition and crop recommendation based on agricultural parameters and implemented AI chatbot for round the clock support.
- **Technologies: Flutter, .NET, PostgreSQL, Machine Learning (image recognition & predictive models) | IDE: Android Studio, Visual Studio**

Movie Search App (GitHub) ⬈
React Movie Search Application

- Built a full-stack movie search platform enabling users to browse trending films or search titles in real time.
- Implemented smart debounced search to reduce API calls and integrated Appwrite backend for analytics, tracking popular queries and search frequency.
- **Technologies: React, Vite, Tailwind CSS, TMDB API, Appwrite | Tools: VS Code**

Student Enrollment & Degree Tracking System (GitHub) ⌖
Web Application (*Group project*)
- Developed a web platform to manage student enrollment and degree process tracking for the Postgraduate Faculty of the university.
- Implemented PDF upload functionality and designed the interactive UIs to improve efficiency and user experience.
- **Technologies: Laravel, MySQL | Tools: VS Code**

Todo App (GitHub) ⌖
Dockerized Todo Application

- Developed a secure full-stack task management platform with user authentication, enabling users to create, read, update, and delete personalized to-dos.
- Implemented secure JWT authentication with Prisma ORM on PostgreSQL and containerized the application using Docker Compose for efficient deployment and service orchestration.
- **Technologies: Node.js, Express.js, Prisma ORM, PostgreSQL, Docker | Tools: VS Code**

Skills

Technological Skills
- Programming Languages: Java, JavaScript, Python, C, PHP
- Frameworks & Libraries: React.js, Flutter, Tailwind CSS, Node.js, Express.js, .NET, React Native, Next.js
- Databases: MySQL, PostgreSQL, MS SQL Server, MongoDB
- Development Concepts: Agile Methodology, OOP, Data Structures & Algorithms
- Tools & Technologies: Git, GitHub, Docker, Postman, Firebase, Figma
- Operating Systems: Windows, Linux (Ubuntu)

Soft Skills
Leadership, Teamwork, Problem-solving, Time management, Adaptability, Critical thinkin

Volunteering Experience

- Volunteered in a CoderDojo session conducted by STEMUP education foundation. (Verify link) ⌖
- Volunteered as an organizing committee member at IEEE day 2024 SUSL. (Verify link) ⌖
- Volunteered in ITECH 2.0 Innovation Exhibition organized by Karagastalawa Maha Vidyalaya. (Verify link) ⌖

Certificates

Verify Certificates ⌖
- Python (Open & Distance Learning University of Moratuwa) E-Certificate (*Google drive*) ⌖
- Postman API Fundamentals (*Google drive*) ⌖
- Certificate on KodeKloud Engineer - Git (Level 1) (*Google drive*) ⌖
- Docker Training Course from KodeKloud E-Certificate (*Google drive*) ⌖
- HackerRank Software Engineer Intern Certificate. (*Google drive*) ⌖

Hackathons

- Semi Finalist Brainstorm 2025 - IEEE EMBS- Innovative healthcare system to streamline ambulance service.

References

Mrs. PKDK Kaushalya, *Lecturer,* Faculty of Computing, Sabaragamuwa University of Sri Lanka
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Mrs. RMKK Wijerathna, *Lecturer* (*Probationary*)*,* Faculty of Computing, Sabaragamuwa University of Sri Lanka
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