



BALADURAGE KAVINDA

SOFTWARE ENGINEER

Address : Matara, Sri Lanka, 81000
Phone : +94 78 831 1883
Email : dilshankavinda371@gmail.com
LinkedIn : /in/baladurage-kavinda/

GitHub : github.com/BK-KAVIYA
Portfolio : www.kavinda.me/
HackerRank: /profile/BK_KAVIYA

SUMMARY

Highly motivated Full-Stack Developer with strong expertise in back-end development, Artificial Intelligence, and DevOps. Proven ability to take ownership of projects, contribute to research and development initiatives, and rapidly adapt to new technologies. A solution-oriented team player with leadership experience, consistently delivering high-quality results within deadlines

EDUCATION

University of Ruhuna

2020 - 2025

- Bachelor of Information and Communication Technology (GPA 3.89/4)
- Gold Medal for obtaining the highest GPA in the department.
- Dean's List for best overall performance in the faculty - 2022/2023

WORK EXPERIENCE

Treinetic (Pvt) Ltd - Full-Stack Developer(Back-End)

June 2024 - Present

- Developed back-end services using Spring Boot, Flask, and Django
- Designed and implemented RESTful APIs, integrated third-party APIs, and optimized database queries for performance
- Worked on database management using MySQL and MongoDB, implementing indexing and efficient query strategies
- Developed and maintained microservices-based architectures, ensuring scalability, modularity, and efficient service communication.
- Designed system architecture for complex applications by creating ER diagrams, class diagrams, use case diagrams, activity diagrams, architecture diagrams, and sequence diagrams
- Integrated automated email notifications and user alerts using SMTP and AWS SES
- Configured and managed AWS S3 for cloud storage, handling secure file uploads and access control
- Implemented authentication mechanisms, including JWT-based authentication and role-based access control
- Worked on message queuing systems (Celery) to handle asynchronous operations.
- Contributed to testing and quality assurance, using tools like Postman for API testing and JUnit for unit testing.
- Developed software solutions for enterprise clients, improving workflow efficiency and security measures
- Participated in Agile development methodologies, attending daily stand-up meetings, sprint planning, and code reviews.

Technologies: Spring Boot, Flask, Django, React, Python, SMTP, Celery, OpenAI API, AWS S3 Bucket, MongoDB, MySQL, GitHub, Microservices

PUBLICATIONS

Road Double Line Violation Detection Using Deep Learning | [RICIT 2024 Conference Proceedings](#)

2024

Published in RICIT 2024 Conference Proceedings.

- Developed a YOLOv8 and OpenCV-based solution for real-time road rule violation detection.
- Achieved 90.2% precision and 87.0% recall on a dataset of 2,500+ annotated vehicle images.
- Implemented lane marking analysis and violation severity assessment algorithms.

PROJECTS

- **SEC - Workflow Management System** | Spring Boot, SMTP, MongoDB, AWS **Jan 2025 - Present**
Customized enterprise workflow management system for the Securities and Exchange Commission
Developed entity management, inquiry management and workflow APIs including 2FA authentication systems
- **Oreiro Mobile Application** | Java Spring Boot, Flask, MySQL, Microservices, S3, Apple Pay, OpenAI
Customized enterprise workflow management system for the Securities and Exchange Commission
Developed entity management, inquiry management and workflow APIs including 2FA authentication systems
- **TIMO Time Tracker** | Java, Spring Boot, JWT, React, Machine learning, MySQL **Sep 2024 - Dec 2024**
Designed system architecture and managed project development, including back-end implementation
Implemented role-based access control, time tracking system, project management, report generation and secure authentication mechanisms
- **SouthernLanka - Car Rental Management System** - [GitHub Repository](#) **Jan 2023 - April 2023**
A real-client project focused on enhancing the efficiency of car rental services, developing a mobile application with a web platform for Matara Southern Lanka (Pvt) Ltd.
Technology Stack: Mobile application - Java, MySQL | Website - Spring Boot, MVC architecture, WEB APIs, HTML, CSS, Bootstrap, JavaScript
- **NiceJOB - MERN Stack Job Portal Application** - [Live Here](#) **Mar 2024 - Present**
Developed a full-stack job portal featuring user registration for job seekers and employers, job posting capabilities, advanced search and filtering functions, and personalized job recommendations
Technology Stack: MongoDB, Express.js, React.js, Node.js, Tailwind CSS
- **MERN Stack Real-Time Chat Application** - [GitHub Repository](#) **Dec 2023 - Jan 2024**
Development of a real-time chat application that enables users to engage in real-time communication, fostering instant messaging and updates.
Technology Stack: MongoDB, Express.js, React.js, Node.js, Socket.IO, HTML, CSS
- **Full-Stack Blog Application (React & Node.js)** - [GitHub Repository](#) **Dec 2023 - Jan 2024**
A comprehensive web application that aims to provide users with a platform to create, edit, and share blog posts seamlessly and suggest similar articles to users.
Technology Stack: Node.js, React.js, MVC architecture, WEB APIs, JSON Web Token (JWT), Express.js, MySQL

ACHIEVEMENTS

- Indian Institute of Technology - Madras Visit | Member of Delegate Team, University of Ruhuna **Apr 2024**
- GitHub Foundations Certification **May 2024**
- Postman API Fundamentals Student Expert **Oct-2023**
- Hacker Rank : Problem-Solving Silver Badge, Java Silver Badge **Jan 2024**
- Google Hash Code | Participation **Sep 2022**

SKILLS

- **Back End Development** | Java, Spring Boot, Node.js, Express JS, Python (Flask), PHP, C
- **Front End Development** | React.js, HTML 5, CSS 3, JavaScript, Bootstrap, TypeScript, Tailwind CSS
- **Database Systems** | MySQL, MongoDB, Firebase, PL/SQL
- **Tools** | Postman, GitHub, Docker, Android Studio, IntelliJ IDEA, Figma, Oracle APEX, ClickUp
- **Other** | API development, Hibernate, UML Diagrams, Agile Methodologies, Perl Programming, Shell Programming
- **Soft Skills** | Teamwork, Fast Learning, Leadership, Effective Communication, Delivering Results on Time

VOLUNTEER AND COMMUNITY ACTIVITIES

- President-Cultural Circle at University of Ruhuna
- Educational Volunteer - AIESEC in Sri Lanka
- Volunteer - Leo Club in University of Ruhuna
- Mentor - ICTSC Ruhuna, University Student Mentoring Program