DILUK UDAYAKANTHA

Kandy, SL | +94 772684541 | dilukedu@gmail.com

LinkedIn | GitHub | Portfolio

Motivated Fresh Software Engineering graduate with solid experience in full-stack and backend development. I'm especially passionate about working with the Laravel framework, having built a web-based platform using it and PostgreSQL. I'm skilled in creating RESTful APIs and have a strong understanding of database management. I'm looking for a Laravel Backend Developer role where I can contribute to a team, learn more about backend security and scalability, and grow my skills in an agile environment. I'm a proactive problem-solver and I'm eager to bring my skills to real-world applications.

EXPERIENCE

Freelance Software Engineer   *Nov 2024 – Present*

- Delivered mobile applications for international clients through Fiverr, focusing exclusively on Flutter based solutions.
- Built scalable and visually polished mobile apps with integrated REST APIs, Firebase, local persistence, and real time features.
- Specialized in integrating AI powered features into cross platform mobile apps, including ML model deployment and inference pipelines.
- Independently developed and deployed CloseCart, a fullstack advertising platform using MERN stack and Flutter, with geolocation based deal discovery and personalized AI recommendations.
- Practiced agile workflows, version control with Git & GitHub, and implemented automation through GitHub Actions.
- Additionally, began exploring React Native to evaluate its capabilities and performance as part of a broader comparison with Flutter for cross platform mobile development.

SILICON RADON NETWORKS – KANDY
Intern Flutter Developer   *Apr 2024 – Nov 2024*

- Responsible for developing custom tailored mobile applications.
- Developed MVP mobile applications for Restaurant, Salon and E channeling sectors.
- Developed and maintained RESTful APIs to support seamless communication between the frontend and backend systems.
- Utilized version control systems like Git to ensure code quality and collaboration efficiency.

EDUCATION

CINEC Campus, Malabe   *Jun 2021 – Jul 2025*
BSc (Hons) in Software Engineering
Expected Graduation: 2025 | Current GPA: 3.73 / 4.0

Dharmaraja College, Kandy   *Jan 2010 - 2019*
Passed G.C.E (A/L) Examination in Physical Science, in 2019
Passed G.C.E (O/L) Examination, in 2015

PROJECTS

FoodShare - Food Waste Reduction Platform
Technologies: Laravel, PHP, PostgreSQL, Tailwind CSS, JavaScript, Neon Database, Vercel

- Developed FoodShare, a web-based platform using Laravel framework to connect food donors with recipients, reducing food waste while addressing community hunger.
- Implemented a comprehensive donation management system enabling users to post available food with categories, quantities, and expiration details for efficient distribution.
- Built an interactive request system allowing recipients to browse donations, submit requests with messages, and track status updates in real-time.
- Integrated role-based authentication using Laravel Breeze, supporting both donor and recipient user types with personalized dashboards and management features.
- Designed a responsive user interface with Tailwind CSS, featuring animated hero sections, interactive elements, and mobile-optimized layouts for enhanced user experience.
- Deployed on Vercel with PostgreSQL database integration via Neon, implementing direct database connections for optimal performance and scalability.

CloseCart - Location Based Advertisements Platform
Technologies: Flutter, Dart, ExpressJS, MongoDB, Machine Learning, Open Street Maps

- Developing CloseCart, a web based system using the MERN stack, designed for small business owners to publish and manage offers and discounts.
- Building a Flutter mobile application that utilizes geofencing and real-time location tracking to help users discover the best nearby deals.
- Integrating an AI powered recommendation system to personalize offers based on user preferences and behavior.
- Implementing an insights dashboard, enabling shop owners to track offer performance and customer engagement through real time analytics.

Gymnai – AI Based Fitness Trainer
Technologies: Flutter, Dart, Provider, Google MLKit

- Developing Gymnai, an AI-driven fitness trainer mobile application using Flutter, designed to detect and correct users' exercise posture in real-time.
- Implemented voice guidance to guide users during exercises for better usability.
- Integrated Google MLkit for posture recognition and analysis, providing instant feedback and suggestions to improve exercise form.
- Designing a session report feature to summarize user performance after each exercise.
- Focusing on seamless device setup and camera integration for an intuitive and user-friendly experience.

Clerr - AI Based Virtual Skin Care Assistant
Technologies: Flutter, Dart, Hive, Provider, Firebase, Cloudinary, Machine Learning

- Developed a virtual skincare assistant that analyzes users' skin conditions daily and provides personalized improvement suggestions.
- Integrated a trained ML model via API call to assess skin health based on daily selfie uploads, enabling real-time condition tracking.
- Provided AI-driven recommendations for skincare products, dietary choices, and skincare tips tailored to individual needs.
- Implemented a history feature, allowing users to review past skin condition assessments and track their progress over time.

Manusath Derana Management System
Technologies: MongoDB, ExpressJS, NodeJS, React, Flutter

- Developing a centralized management system to digitalize Manusath Derana's file-based operations and enhance administrative efficiency.
- Building an intuitive admin dashboard using the MERN stack, enabling streamlined oversight and management of donor activities.
- Implementing real-time updates and notifications via a Flutter-based mobile application to keep donors informed and engaged.

Citilytics - Image Classification Mobile Application
Technologies: Flutter, Dart, Firebase, Tensorflow Lite

- Developed Citilytics, a real-time object detection and image classification mobile application using Flutter, designed to identify vehicles with advertisements.
- Integrated TensorFlow Lite for efficient object detection, enabling the app to capture and store images of identified vehicles locally.
- Implemented Google Drive integration, allowing users to upload captured images seamlessly after logging into their Google accounts.
- Provided advanced customization features, including adjustable confidence thresholds and support for user-provided TensorFlow Lite models, enhancing usability and adaptability.

CERTIFICATIONS

- Professional Certificate in Java Programming (2022)
- Android App Development for Beginners (2022)
- Foundations of Project Management by Google (2025)(Pending)

TECHNICAL SKILLS

- **Object-Oriented Programming:** Strong knowledge of OOP concepts and applications
- **Data Structures & Algorithms:** Proficient in analyzing algorithm space and time complexity
- **Web Development:** Laravel, React.js, Next.js, Node.js, Express.js, Tailwind CSS
- **Mobile Development:** Flutter, Native Android
- **Backend:** Node.js, Express.js, Springboot, Firebase, MongoDB, MySQL, SQLite, REST APIs
- **Tools & Platforms:** Git, GitHub, GitHub Actions, Postman, VS Code, Figma, Google Cloud
- **Languages:** Dart, JavaScript, Python, Java, PHP

ADDITIONAL SKILLS & INITIATIVES

- **DevOps & Cloud:** Currently following the "100 Days of DevOps" course on Codekloud, gaining exposure to Kubernetes, Ansible, Git, and Linux. This initiative demonstrates a commitment to learning CI/CD practices and cloud services.
- **Agile Workflows:** Practiced agile methodologies and version control with Git & GitHub during freelance work and with GitHub Actions for automation.

REFERENCES

Available upon request