

# U.D Lahiru Sandaruwan

## Full Stack Developer

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GitHub: <https://github.com/lairubusiness>

Portfolio: <https://udls-portfoliosite-uase.vercel.app>

### Professional Summary

Full Stack Developer with a strong academic foundation (HND + BSc in Software Engineering) and hands-on experience in web, mobile, and system development. Skilled in React, Next.js, Flutter, Firebase, Supabase, and SQL, with solid knowledge of Java, Python, C#, and PHP. Experienced in building REST APIs, deploying cloud-based solutions (Firebase, AWS, GCP), and applying Agile/Scrum practices. Proven ability to deliver scalable, user-friendly applications through freelance and academic projects.

### Education

BSc (Hons) in Software Engineering – Kingston University (2023 – 2025)

First Class

HND in Software Engineering – ESOF Metro Campus (Graduated 2024)

Merit

Certificate Course in Computer Applications – IHRA, University of Colombo (2020)

Merit

Diploma in ICT – ESOF Metro Campus

Diploma in English – British Council

Diploma in Graphic Design – SUCCESS IT institute

Diploma in Computer Studies – ESOF Metro Campus

## Professional Experience

### Freelance Full Stack Developer | Remote | 2023 – Present

- Developed and deployed full-stack applications using Next.js, Flutter, Firebase, and Supabase.
- Built and integrated REST APIs, optimized databases, and implemented responsive UI/UX designs.
- Collaborated with clients to deliver e-commerce platforms, management systems, and mobile apps.
- Ensured quality via software testing, debugging, and documentation.

## Project Experience

Green Grow Manager (PHP, MySQL, Bootstrap, JavaScript)

- Agricultural management system with role-based access, PDF reporting, and climate data tracking.

GitHub: [https://github.com/lairubusiness/Green\\_Grow\\_Manager](https://github.com/lairubusiness/Green_Grow_Manager)

Smart Campus (PHP, MySQL, HTML, CSS, JavaScript)

Web-based campus management system with automated email notifications (SendGrid) and dynamic PDF report generation (TCPDF).

GitHub: [https://github.com/lairubusiness/smart\\_campus\\_web.git](https://github.com/lairubusiness/smart_campus_web.git)

Game Lounge (Flutter, Firebase, REST APIs)

- Mobile app for exploring and sharing games with Google Sign-in, media sharing, and real-time data.

GitHub: <https://github.com/lairubusiness/Game-Lounge-app.git>

Pizza Ordering System (Java, Swing, OOP)

- Desktop-based ordering and billing system with intuitive GUI.

GitHub: <https://github.com/lairubusiness/com.pizza.system.git>

EASYNEWS App (Flutter, React Native, REST APIs)

- Cross-platform news aggregation app providing real-time feeds.

GitHub: <https://github.com/lairubusiness/EASYNEWS-App>

MySimpleNote (Flutter, Dart, SQLite)

- Multi-platform note-taking app with offline data storage.

GitHub: <https://github.com/lairubusiness/MySimpleNote-.git>

AI Chatbot (Next.js, Vercel, Supabase, OpenAI API)

- Real-time AI chatbot with authentication, chat history, and responsive UI.

GitHub: <https://github.com/lairubusiness/nextjs-ai-chatbot>

### Technical Skills

Programming: Java, Python, C#, JavaScript, Dart, PHP, SQL

Frameworks & Libraries: Next.js, React, Flutter, Bootstrap, Tailwind CSS

Databases: MySQL, MongoDB, Firebase, Supabase

Cloud & DevOps: AWS, Google Cloud Platform (GCP), Vercel, Firebase Hosting

Tools & Practices: Git, GitHub, REST APIs, Agile, Scrum, UI/UX Design, Software Testing

### Soft Skills

Leadership & Team Collaboration

Communication & Problem-Solving

Project Management

Prototype & Diagram Design

### Languages

Sinhala (Native)

English (Fluent)

### References

Thanuja Dissanyake – Deputy Head of Academic Affairs, ESOF Metro Campus

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Ruchitha Wickramasinghe – Center Manager, ESOF Metro Campus

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