

GANIDU DISSANAYAKE

SOFTWARE ENGINEER

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PROFILE

Results driven Software Engineer and BICT (Hons) graduate from the University of Ruhuna, with professional experience spanning enterprise software at IFS R&D International, frontend development at QuickMan, and active freelance work. Proficient in Java, Spring Boot, React JS, Next.js, TypeScript, PL/SQL, Oracle DB, and IFS Cloud technologies. Adept at building scalable enterprise and consumer facing applications, driving system integrations, and delivering high quality software in Agile and Scrum environments. Seeking to leverage full-stack expertise to contribute to innovative software development within a collaborative engineering team.

WORK EXPERIENCE

Freelance Software Engineer – Self-employed *May 2026 – Present*

- Currently developing the LanguageLab advanced website using Next.js, delivering a full-featured language learning platform.
- Responsible for end-to-end frontend architecture, responsive UI development, and API integration.

External Frontend Developer – QuickMan – Part-time (Remote) *Mar 2026 – May 2026*

- Contributed to web application development using Next.js and TypeScript.
- Implemented responsive UI components and improved overall user experience.
- Collaborated with the development team on frontend feature development and API integration.
- Managed code updates and version control through GitHub.

Software Engineer Trainee – IFS R&D International (Pvt) Ltd – Aerospace and Defense *2025*

- Worked on IFS Cloud, contributing to system integration with Maintenix.
- Performed data migration and developed features for part & tools and demand management with real time synchronisation.
- Built a Tool Manager Lobby dashboard for monitoring tool availability and usage.
- Participated in SDLC and QA using Java, PL/SQL, IFS technologies, Git, and Scrum practices.

PROJECTS

Marks Management System – Web Application – Group Project – Frontend | Backend

- Developed a web application for the Faculty of Technology, University of Ruhuna, to manage and track student marks using Spring Boot, React JS, and MySQL.
- Improved data accuracy and enhanced user experience for academic and non academic staff.
- Supervisor: Mr. P.H.P. Nuwan Laksiri, Faculty of Technology, UOR.

Auction Platform Web Application – Group Project – Frontend | Backend

- Developed a dynamic auction platform using React JS, Spring Boot, and MySQL, enabling seamless auction creation and real-time bidding functionality.
- Applied advanced programming concepts including design patterns to ensure scalability and maintainability.

RESEARCH

Evaluating Performance, Optimization Techniques, and Cost-Effectiveness for Aggregate Functions of RDBMS Systems in a Cloud Platform and ML Integration: A Comparative Study of SQL Server and MySQL.

EDUCATION

University of Ruhuna 2022 – 2026

- Bachelor of Information and Communication Technology (Honours)

Bandaranayake College, Gampaha 2018 – 2019

- G.C.E. Advanced Level

TECHNOLOGIES

- Frameworks: Spring Boot, React JS, Next.js, Flutter, Aurena (IFS)
- Languages: Java, C, JavaScript, TypeScript, Python
- Database Technologies: PL/SQL Oracle, MySQL, SQL Server
- Cloud: Microsoft Azure
- Version Control: Git, GitHub, Bitbucket, Sourcetree
- CI/CD: Docker, GitHub Actions

CERTIFICATES & COURSES

- Docker Foundations Professional Certificate – Docker
- React Essential Training – LinkedIn Learning

ACHIEVEMENTS

- Dean's Award, Faculty of Technology – 2024
- SLUSA Colors for Taekwondo – 2022

LANGUAGES

- Sinhala (First Language)
- English (Intermediate)

REFERENCES

Prof. Subash Jayasinghe

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