

RUWANI RANTHIKA

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SUMMARY

Software Engineering undergraduate pursuing a Higher Diploma in Software Engineering, with hands-on experience in developing desktop and web applications. A fast learner with strong full-stack development skills, adhering to clean code principles and best practices. Actively adapts to new technologies, embraces AI-driven development, and applies modern tools and frameworks through academic and freelance projects. Passionate about continuous learning and building a strong career as a full-stack software engineer.

TECHNICAL SKILLS

Backend Development :

Java, Spring, Spring Boot, Java EE, Node.js, Express.js, Hibernate, JPA, Python, REST APIs, JWT

Frontend Development :

HTML, CSS, TypeScript, JavaScript, React, Angular, Next.js, Bootstrap, Tailwind CSS, jQuery, JavaFX, React Native, Figma (UI/UX Design)

Databases & Persistence :

MySQL, MongoDB, Firestore, JDBC, Object-Relational Mapping (ORM)

Tools & Platforms :

IntelliJ IDEA, Visual Studio Code, NetBeans, Postman, Scene Builder, Swagger UI, GitHub, Linux, MongoDB Compass, JasperSoft Studio, Firebase, Vercel, Cisco Packet Tracer

Architectures & Concepts :

MVC Architecture, Layered Architecture, Design Patterns (Singleton, Factory), Object-Oriented Programming (OOP), Programming Fundamentals, Computer Networking

EXPERIENCE

Freelance Full-Stack Developer | Part-Time | Oct 2025- present

Project: Theta Lounge – Floating Therapy Business | MERN - Stack

Live Website: <https://thetalounge.com>

- An end-to-end appointment and management system for **Sri Lanka's first floating therapy business**.
- Enabled clients to book sessions by selecting time slots and packages, and track appointment history, completed sessions, and expiry status.
- Built a multi-admin platform with analytical dashboards and reports to manage therapy tank schedules, open/close days and times, pricing, packages, approvals, cancellations, and system access.
- Implemented secure authentication and real-time email notifications for bookings, payments, and status updates.

• **Tech** : MongoDB, Express.js, React.js, Node.js, Redux, Firebase Authentication, REST APIs, Cron Jobs, JWT

PROJECTS

Adlync – Smart Classified Ads & Marketplace System | Spring Boot | Aug 2025 – Present

Developed a full-stack marketplace with role-based user management (Admin, Moderator, User). Enabled users to post/view ads, manage profiles, make payments, and chat with sellers in real-time. Admins and moderators can approve/reject ads, review payments, and manage reports/ratings. Implemented secure authentication (JWT, Google login), image uploads, and responsive UI.

- **Tech**: Spring Boot, Java 21, MySQL, Bootstrap, jQuery, AJAX, JSON, Firebase, JWT, WebSocket, Swagger UI, Draw.io (ERD design)
- Links: [YouTube Demo](#) | [GitHub Repository](#)

Complaint Management System | Jakarta EE | May 2025

Developed a web application for internal complaint tracking and resolution with role-based authentication and session management. Employees can submit, view, edit, or delete complaints, while admins can view, update status, add remarks, and delete complaints. Implemented using synchronous form-based interactions

- **Tech:** Jakarta EE, JSP, Servlets, MySQL, Apache Tomcat, MVC Architecture, CSS, HTML, jQuery
- Links: [YouTube Demo](#) | [GitHub Repository](#)

Serenity Mental Health Therapy Center Management System | Hibernate | Mar 2025 – Apr 2025

Desktop system Managed patients, therapy sessions, therapists, payments, and reports with BCrypt security

- **Tech:** JavaFX, Hibernate ORM, MySQL, JasperSoft Studio, MVC, Layered Architecture, Factory & Singleton Patterns, Figma
- Links: [GitHub Repository](#)

Blood Bank Management System | JavaFx | Oct 2024 – Present

Developed a desktop application to manage donors, donations, hospitals, campaigns, inventory, and blood stock. Integrated email notifications and dynamic reporting

- **Tech:** Java, JavaFX, MySQL, Jasper Reports, Scene Builder, MVC Architecture, Layered Architecture, CSS, Figma design, Draw.io (ERD design)
- Links: [GitHub Repository](#) (Layered) | [GitHub Repository](#) (mvc)

EDUCATION

Higher Diploma in Software Engineering (GDSE – 72)

Feb 2024 – Present

Institute of Java and Software Engineering (IJSE)

- Third Semester (Final Stage)
- Completed three out of four semesters
- GPA: 3.52 (First Semester), Second-semester results pending

Wanduramba Central College, Galle

Jan 2007- Oct 2020

G.C.E. Advanced Level (A/L) – Biological Science | Oct 2020

- Physics (S), Biology (S), General English (S)
- Common General Test: Pass

G.C.E. Ordinary Level (O/L) | Dec 2017

- Results: 6A, 2B, 1C

ADDITIONAL EXPERIENCE

Marketing Promotion Officer (Part-Time)

Astra | Link Natural | Sunquick

Dec 2024 - Aug 2025

- Customer engagement and promotional support.
- Team collaboration and communication skills.

REFERENCES

Prasad waduge

CEO/Senior Trainer - IJSE

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Udara San

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