# ERANDA JAYAWARDENA

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## Summary

Motivated and detail-oriented professional with a Post-Baccalaureate Diploma in Computer and Information Systems from Douglas College and a First-Class B.Sc. in Computer Science and Software Engineering. Hands-on experience developing full-stack applications, both independently and in team-based environments. Skills in Java, JavaScript, SQL, and MongoDB, with experience working in Agile development environments. Adept at problem-solving, quick learning, and effective collaboration within teams.

## Education

### Douglas College, New Westminster, BC                                           2023 - 2025
*Post-Baccalaureate Diploma in Computer and Information Systems*

Operating Systems, Computer Networking and Security, Mobile Application Development, Object-Oriented Programming (Java), Data Structures and Algorithms, Web Development (JavaScript, PHP), Cloud Infrastructure, Database Systems (SQL, Mongo), and Applied Research Project.

### University of Bedfordshire, United Kingdom                                    2021 - 2022
*Bachelor of Science (Honors) in Computer Science and Software Engineering - First Class*

Software Engineering Principles, Project Management using the PRINCE2 methodology, and a Final Year Project with a report.

### SLIIT Academy, Sri Lanka                                                      2019 - 2021
*Higher Diploma in Information Technology*

Programming in C, C++, and Java, Project and Professional Practice, Database Systems and ORDBMS, Computer Networking and Security, Operating Systems, Data Structures, Design and Analysis of Algorithms, Object-Oriented Analysis and Design, Interactive Design Concepts, and Emerging Technologies.

## Experience

### Intern Software Engineer                                                      Jan 2023 - Mar 2023
*ICP Technologies, Sri Lanka*

- Completed guided tutorials and hands-on exercises using Node.js and React to build foundational knowledge in modern web development frameworks.
- Focused on Ruby development, following structured lessons and independently implementing features.
- Assisted with manual QA testing, including executing test cases, identifying bugs, and documenting findings in detailed test reports.
- Participated in daily stand-up meetings and collaborated with team members using Slack, gaining experience in team-based communication and coordination.
- Gained experience working in a collaborative development environment, following coding standards and basic Agile practices.

### iMaster – College Project (Individual)

Full-stack MERN web application for managing mobile shop operations. Allows adding products, editing prices and descriptions, tracking inventory, and managing repair jobs by marking them as pending or completed based on their status.

Technologies: MongoDB, Express, React, Node.js

### ReMeal – *College Project (Group)*

Web application for saving and distributing excess food. Restaurants can list their surplus inventory with counts and expiry dates, people in need can request food specifying the quantity, and volunteers can deliver food to those who need it.

Contributions: Developed the backend of the application.

Technologies: React, Spring Boot, H2 Database

### Computer Buying Guidance App – *Undergraduate Final Year Project (Individual)*

A web application allows customers to shop for computer components and laptops, create custom quotations, and interact with a chatbot that provides answers based on customer needs, including compatibility and price ranges.

Technologies: HTML, CSS, JavaScript, PHP, Bootstrap, PyTorch, Flask

### Mathematical Game – *University Project (Individual)*

Developed to learn Java RMI, this educational game challenges users to solve 10 randomly ordered math questions within a time limit. The game automatically progresses to the next level once time expires, and after completing level 10, it displays scores using an external API in a chart format.

Technologies: Java, QuickChart, NetBeans

### Student Management System – *University Project (Group)*

A Java application designed to manage students, teachers, classes, exams, messages, documents, and transactions of an institute. The admin can log in to manage students, teachers, and classes, including adding, updating, deleting data, and sending emails to students and teachers simultaneously.

*Contributions:* Implemented the teacher management module and the announcement/email feature. Collaborated with team members on admin functionalities. Project progress was tracked using Trello, following the Waterfall methodology.

Technologies: Java, SQL Server, Trello (for project management)

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## Technical Skills

- Languages: Java, JavaScript, SQL
- Frameworks: React, Node.js, Spring Boot
- Databases: MongoDB, SQL

## Interests

- Computer Hardware/Software
- Emerging techs
- Electronics
- Motor mechanics

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