Thilina Hewage.

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INDUSTRIAL EXPERIENCE

UniverSL Software (Pvt) Ltd – Trainee Software Engineer   **January 2025 – Present**

- **Technologies**: Java, Spring Boot, ORM, Hibernate, MySQL.
- **Soft skills**: Teamwork, Adaptability, Communication, Analytical Thinking
- Developing the backend for an internal E-Commerce appointment management system using Spring Boot within tight sprint deadlines
- Implementing REST APIs using Spring Boot and securing them with Spring Security and JWT.
- Achieved 75% test coverage and significantly reduced defects by implementing unit tests with **JUnit** and **Mockito**, improving code reliability and supporting test-driven development.
- Deploying the Spring Boot application on **Google Cloud Platform (GCP).**
- Actively participating in daily stand-ups, sprint planning, and retrospective meetings to ensure team alignment with Agile principles.
- Consistently applying best coding practices and software engineering principles, with a strong focus on Object-Oriented Programming (OOP).
- Using Bitbucket for version control and Jira for project management.

Zebra Technologies (Pvt) Ltd-Software Engineer Intern   **December 2023 – June 2024**

- **Technologies**: C#, C++
- **Soft skills**: Teamwork, Adaptability, Communication, Analytical Thinking.
- Fixed bugs and enhanced application features using C# and C++, improving stability and user experience.
- Conducted full system testing (manual and automated) using Zebra tools and SDKs.
- Successfully implemented enhanced logging across multiple sub-projects within the internal product.
- Developed and updated test cases and maintained detailed test case documentation.
- Followed best coding practices and applied Software Engineering concepts like OOP.
- Used Gerrit and Jira for collaborative development and issue tracking.

PROJECTS

E - commerce web application (GitHub Repo links: Frontend, Backend)

- **Technologies:** Spring Boot, Angular, Hibernate, MySQL, Postman for testing
- Designed, developed, and optimized RESTful APIs within a Spring Boot architecture, enabling seamless and secure communication between frontend and backend systems.
- Enhanced database performance and efficiency by leveraging Hibernate ORM and MySQL, implementing best practices for query optimization and data management.

Hospital Management System. (Group project) (GitHub Repo links: Frontend, Backend)

- **Technologies:** Spring Boot, Microservices, Angular, Hibernate and MySQL.
- **Soft skills**: Teamwork, Adaptability, Communication, Analytical Thinking.
- Developed the **WeCare Prescription Management System** as a microservice—an innovative and reliable solution designed to streamline and enhance prescription handling, contributing to improved healthcare delivery and patient experience.

Sarusara Agro E – commerce web application (Group project)
(GitHub Repo links: Frontend, Backend)

- **Technologies:** MERN Stack (MongoDB, Express, React, Node.js).
- **Soft skills**: Teamwork, Adaptability, Communication, Analytical Thinking
- Developed an online platform to empower farmers to sell their harvest directly and allow wholesalers to purchase harvests easily.
- Currently an ongoing project focused on simplifying the agricultural supply chain

Weather Application. (GitHub repo link: weather-app)
- **Technologies:** HTML, CSS, JavaScript, Real time web APIs.
- Built a dynamic web application using HTML, CSS, and JavaScript, leveraging free real-time public APIs to display up-to-date weather information.

MOS burgers - Frontend Web Application (GitHub repo link: mos-burgers)
- **Technologies:** HTML, CSS, JavaScript.
- Developed a user-friendly Point of Sale (POS) system frontend with CRUD operations for managing items and customers
- Implemented **"Add to Cart"** and **"Place Order"** functionalities to streamline the order processing workflow

SKILLS

- **Programming Languages - Java**, JavaScript
- **Backend Development   -** Spring Boot, Spring Security, Node.js, Express.js
- **Frontend Development   -** HTML, CSS, Angular, React.js, Tailwind CSS, Bootstrap
- **Database Management   -** MySQL, MongoDB
- **Version Control   -** GitHub, Gerrit, Bitbucket

EDUCATION

- **University of Colombo School of Computing. (UCSC)   April 2021 - October 2024**
  BSc in Computer Science. (Graduate)
  Coursework: Data Structures and Algorithms, Agile Development, Database Management, Networking, Operating Systems, Statistics.

REFERENCES

- **Mr. Roshan Gunathilake.**
  Director & CEO at UniverSL
  Software Master of Computer Science
  Web: https://roshangunathilake.com

- **Mr. Frank Damiend.**
  Senior Engineering Lead / Manager – CRM
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