

Manula Kavinda

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📄 <https://github.com/ManulaK>

📍 Western Province, Sri Lanka

🌐 <https://portfolio-eta-pied-97.vercel.app/>

SUMMARY

A **Software Engineer** with **2 years** of experience in full-stack development across full-time roles and an internship. Proficient in JavaScript, Java, SQL, Python, and technologies including ReactJS, Next.js, Node.js, Express, Flutter, Android, and more. **Completed 20+ projects**, spanning web, mobile, and backend. Well-versed in SDLC, Agile/Scrum, CI/CD pipelines, and version control. Skilled at troubleshooting and optimizing software performance, with a strong ability to adapt quickly, learn continuously, and collaborate effectively in diverse teams.

WORK EXPERIENCE

Associate Software Engineer

June 2024 – June 2025

Orel Group (Pvt) Ltd, Colombo, Sri Lanka

- Led 3–4 projects focused on front-end (ReactJS, NextJS), mobile (Flutter), and backend development using Node.js, Express, TypeScript, and microservices architecture.
- Took ownership of key software modules, driving improvements in performance, stability, and scalability.
- Collaborated with cross-functional teams to design and implement reusable components and features.
- Mentored junior developers and interns, promoting best practices and code quality.
- Ensured adherence to Agile methodologies, CI/CD pipelines, and version control (Git) for high-quality deliverables.
- Utilized AI tools to enhance development workflows and improve software quality.

Trainee Software Engineer

September 2023 – June 2024

Orel Group (Pvt) Ltd, Colombo, Sri Lanka

- Supported senior engineers in planning, designing, implementing, and testing software modules focused on front-end (ReactJS) and mobile applications (Flutter).
- Assisted in debugging and resolving software issues to enhance system reliability and user satisfaction.
- Actively learned and applied emerging technologies and development methodologies.
- Participated in code reviews and improved code quality and maintainability.
- Gained hands-on experience in Agile workflows, version control (Git), and collaborative project environments.

Intern Software Engineer

March 2023 – September 2023

Axcer Innovations, Colombo, Sri Lanka

- Focused on full-stack development, emphasizing API integration and collaborating on UI design.
- Adhered to software development best practices, including version control, automated testing, and code reviews, enhancing code quality and maintainability.
- Identified and resolved critical bugs, reducing system crashes, and enhanced problem-solving skills and adaptability in a dynamic environment.

SKILLS

Programming Languages: JavaScript, TypeScript, Java, Kotlin, Python, Swift, Dart, SQL, C#

Frameworks & Technologies: ReactJS, Next.js, Node.js, Express.js, ASP.NET Core, Flutter, Android SDK, SwiftUI, Flask, Strapi, LangChain, Prisma, HTML, CSS, RESTful APIs, GraphQL, WebSockets

Frontend UI Libraries: Ant Design, shadcn/ui, Charaka, Material UI (MUI), Tailwind CSS, Bootstrap

Databases: MongoDB, PostgreSQL, MySQL, Firebase.

Tools & Platforms: Git, GitHub, Azure DevOps, Postman, VS Code, Android Studio, Xcode, CI/CD Pipelines, Figma

DevOps & Project Practices: Agile (Scrum/Kanban), DevOps Principles, SDLC, Test-Driven Development (TDD), Code Reviews, Project Management Tools (Jira, Trello)

Core Computer Science: Data Structures, Algorithms, Object-Oriented Design, Software Design Patterns, System Architecture, Microservices

AI & Modern Tech: Integration of LLMs (Large Language Models) and RAG (Retrieval-Augmented Generation) using LangChain, AI-assisted development, and prompt engineering

EDUCATION

BSc (Hons) in Information Technology Specializing in Software Engineering

February 2021 – March 2025

Sri Lanka Institute of Information Technology, New Kandy Rd, Malabe, Sri Lanka

Classification: Second Division Class

RESEARCH EXPERIENCE

Enhancing Environmental Awareness for Hard of Hearing Individuals: A Mobile Application Approach

February 2024 – December 2025

Sri Lanka Institute of Information Technology

Accepted for publication in Springer Nature as part of the proceedings of the 10th International Congress on Information and Communication Technology (ICICT 2025), London, UK.

Management Optimization Solution for Fashion Retail System

June 2023 – November 2023

Sri Lanka Institute of Information Technology

Focused on optimizing inventory and order management for fashion retail businesses using data-driven decision-making approaches.

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