

# Manoharan Thushantha Sanju

## Software Engineer

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## Professional Summary

I bring your vision to life through:

- **Development Leadership:** Spearheaded projects, achieving a 30% reduction in application latency and a 40% boost in user satisfaction using microservices architecture.
- **Documentation Optimization:** Led initiatives to optimize documentation processes, resulting in a 40% decrease in onboarding time for new engineers by utilizing AI tools and templates.
- **Full-Stack Proficiency:** Design and develop robust, scalable web applications, leveraging expertise in ReactJS, NextJS, NestJS using TypeScript, and JavaScript for both front-end and back-end.
- **User-Centric UI/UX Design:** Prioritize user-friendliness and responsiveness, ensuring intuitive and visually appealing interfaces across all devices using cutting edge UI libraries.

## Industry Exposure (3+ Years)

### Software Engineer (June 2023 – Present)

Level 33 Solutions | Brasilia, DF

- Collaborated with cross-functional teams to optimize application performance, achieving a 30% reduction in latency and a 20% increase in user satisfaction by implementing microservices architecture and using visually appealing UI designs while developing the **Prontobook Project**, a Hospital Management system for a medium-scale hospital using NextJS, ExpressJS, TypeScript, and NodeJS.
- Engineered the **Essus Project**, a Hospital Management system for a government hospital using ReactJS, NestJS, TypeScript, and NodeJS, while developing and maintaining documentation for software applications, leading to a 40% reduction in onboarding time for new engineers by organizing workshops.

### Trainee Software Engineer (April 2022 - Feb 2024)

OREL IT: Artificial Intelligence (AI) Solutions Company | Colombo, Sri Lanka

- Developed the **Orel Academy Project**, an E-learning platform using ReactJS and JavaScript, while concurrently implementing a new build and deployment process utilizing continuous integration and continuous development methodologies. This process significantly reduced deployment time by 60% and minimized production issues by 50%.
- Created the **Orel Corporation Project**, a corporate web application using ReactJS and TypeScript, while concurrently designing and implementing a new microservices architecture. This architectural overhaul resulted in a 40% improvement in system reliability.
- Collaborated with fellow engineers to troubleshoot and debug software applications, leading to a 30% reduction in bug-related delays, while concurrently developing the **Orel Cloud Project**. This project involved building a cloud platform for cloud services using ReactJS, NextJS, and Azure.

## Skills

- **Programming Languages:** TypeScript, JavaScript
- **Frameworks:** ReactJS, NextJS, NestJS, ExpressJS
- **Source Control:** GitLab, Azure Repos, GitHub, Git
- **Databases:** SQL, NoSQL
- **Project Management:** Redmine, Azure Boards, Bitrix
- **Microservices architecture.**
- **Cross-functional collaboration.**
- **Software documentation Code review and feedback.**

## Personal Projects

- **Movie-Ticket-Booking-System (MERN, JWT) - [Link](#)**
- **Research-Project-Management-Tool (MERN, HEROKU) - [Link](#)**
- **Train Booking System (MERN Azure) - [Link](#)**
- **Stock-Crypto-App (MERN, Transformers, Flask) - [Link](#) - [Website](#)**
- **Hotel Management System (html-css-js-php) - [Link](#)**

## Education

- **BSc (Hons) in Information Technology Specializing in Software Engineering**  
SLIIT | Sri Lanka Institute of Information Technology Sri Lanka, Colombo  
2020-2023

## Publications

- **Recommendation System for Stock and Cryptocurrency Market Using Cutting Edge Machine Learning Technology**  
International Research Journal of Innovations in Engineering & Technology - IRJIET · Nov 28, 2023  
[IRJIET - Show Publication](#)  
[Research Gate - Show Publication](#)