# Manoharan Thushantha Sanju

Software Engineer

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· Github · Website · Linkedin

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## Professional Summary

Results-driven Software Engineer with 3+ years of experience orchestrating end-to-end CI/CD pipelines and full-stack development, delivering scalable solutions that align technical strategy with business goals.

➤ **CI/CD Mastery** : Engineered automated pipelines using Docker , GitHub Actions , and Jenkins, reducing deployment time by 60% and production issues by 50% through declarative pipelines, environment consistency, and seamless GitHub integration.

➤ **Microservices & DevOps Leadership** : Spearheaded microservices adoption (NextJS/NodeJS/TypeScript) to cut latency by 30%  and implemented monitoring/feedback loops for proactive issue resolution.

➤ **Full-Stack Innovation** : Built responsive web apps (ReactJS/NextJS/NestJS) with cutting-edge UI libraries, paired with AI-driven documentation workflows that slashed onboarding time by 40%.

➤ **Strategic Impact** : Reduced campaign setup time by 45% for clients via a marketing automation platform and optimized hospital management systems for 20%+ user satisfaction gains .

**Key Tools** : Docker, GitHub Actions, Jenkins, Kubernetes, AWS/Azure, React/NextJS, NodeJS, TypeScript.

## Industry Exposure (3+ Years)

### Software Engineer (Jan 2025 – Mar 2025)
CueCard AI PVT Ltd | San Francisco, California, USA

➤ Spearheaded the development and deployment of **CueCard AI (AI powered sales assistant)** an innovative AI-powered platform designed to streamline content creation and curation for marketing teams. Achieved a 50% reduction in content production time and a 35% increase in audience engagement through intelligent automation and personalized recommendations. Architected a scalable, modular system using ReactJS, NodeJS, and Python , incorporating advanced natural language processing (NLP) algorithms and machine learning models to deliver real-time content insights and optimization suggestions. Integrated with leading CMS platforms, social media APIs, and analytics tools to enable seamless content workflows and data-driven decision-making. Implemented rigorous testing frameworks and monitoring systems to ensure high performance, reliability, and scalability, resulting in a 99.9% uptime and enhanced user satisfaction.

### Software Engineer (Aug 2024 – Dec 2024)
Bconic PVT Ltd | Toronto, Ontario, Canada

➤ Engineered and deployed the **Marketing Automation Hub**, a comprehensive automation platform for small businesses, achieving 45% reduction in campaign setup time and 30% improvement in client engagement metrics. Implemented a scalable microservices architecture using NextJS, NodeJS, and TypeScript, featuring an intuitive drag-and-drop workflow builder, automated email campaigns, and real-time analytics dashboards. Integrated multiple marketing APIs and CRM systems, enabling seamless data orchestration and automated lead nurturing workflows, while maintaining robust performance with comprehensive testing and monitoring systems.

### Software Engineer (June 2023 – July 2024)
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 | Col, 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
- ➢ **MSc in Artificial Intelligence and Human Factors**
  University of Coventry                       United Kingdom
  2025-2026

## 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