

SHENAL CHANUKA DE SILVA

FULLSTACK ENGINEER | REACT.JS, NODE.JS EXPERT | FLUTTER, .NETCORE

Galle, Sri Lanka
+94770513846
Shenalchanuka3@gmail.com

LinkedIn: [shenal-de-silva](#)
GitHub: [shenalchanu8](#)
Portfolio: [Shenal De Silva](#)

Profile Summary

Results-driven Full Stack Developer with **1 year of hands-on industry experience as an undergraduate** in designing, developing, and deploying end-to-end web and mobile applications.. Proficient in backend development using .NET Core, Firebase, Node.js, and SSMS for database management. Experienced in frontend development with Flutter for mobile applications and JavaScript-based frameworks such as React for web interfaces. Strong problem-solving skills, quick adaptability, and a passion for delivering high-quality, scalable solutions.

Core Competencies

- React.js
 - JavaScript, TypeScript
 - Flutter
 - Node.js, Express, Spring Boot
- Software Architecture
 - REST APIs
 - SSMS, MongoDB, MySQL
 - jest, cypress
- UI/UX, Figma
 - Git, Docker
 - HTML,CSS

Work Experience

Software engineer and IT support specialist

Nov 2024 - Present

Caspersoft(Pvt)Ltd, Sri Jayawardanapura Kotte, Sri Lanaka

- Smart License Management System UI Development: Designed and developed mobile and desktop interfaces using Flutter and Dart, ensuring responsive and consistent cross-platform performance.
- API Development: Created secure REST APIs using C# .NET Core to manage user and license data, with attention to performance and security best practices.
- Firebase Integration: Integrated Firebase Authentication and Realtime Database for license validation and user management, enhancing real-time data syncing.
- Role-Based Access Control: Implemented RBAC to distinguish access levels between Admins, Users, and Support roles, enabling secure data handling and proper feature access.
- Cross-Platform Testing: Thoroughly tested and deployed the system across Android and Windows platforms, identifying and fixing platform-specific bugs.
- Existing Project Enhancements – REZ-II & BACKOFFICE Systems • Legacy System Understanding: Analysed codebases of existing Point of Sale (POS) and Backoffice systems to understand workflows, system architecture, and key functional areas.
- Feature Enhancements: Added new features and extended functionalities such as custom reporting modules, dynamic discount calculation, and invoice generation.
- Bug Fixes & Code Refactoring: Identified bugs in the production system and optimized legacy code to improve performance, readability, and maintainability.

- Database Modifications: Worked with SQL Server and Firebase to update schemas, manage data integrity, and optimize queries for performance.
 - Team-Based Workflow: Participated in meetings, shared task progress on Asana, and followed version control practices using Git, pushing regular updates and resolving merge conflicts.
-

Education

- **SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY (SLIIT)**
Oct 2022 - Present
 - BSc (Hons) in information Technology Specialising in Software Engineering
 - **SCHOOL : DHARMASHOKA COLLEGE , AMBALANGODA**
 - G.C.E ORDINARY LEVEL : 2018
 - G.C.E ADVANCED LEVEL in The Stream of Physical Science: 2021
-

Certification

- Python for Beginner (University of Moratuwa)
 - Web Design for Beginner (University of Moratuwa)
 - Front End Web Development (University of Moratuwa)
 - Fundamentals of Java Programming (Coursera)
 - Angular Basics (Simply learn:Google)
-

Projects

- **Microservices-Based Food Ordering and Delivery System**
 - Developed a microservices-based food ordering and delivery system using Spring Boot (backend) and TypeScript (frontend). Each service handles a specific domain. Deployed using Docker for scalability and isolation.
<https://github.com/shenalchanu8/Fast-Food>
 - **Caregiver Booking Mobile Application**
 - Developed a cross-platform caregiver booking app using React Native and Firebase, enabling user registration, profile viewing, real-time booking, availability tracking, and secure data handling with authentication and notifications.
<https://github.com/shenalchanu8/CareGiverApp>
 - **Waste Management System (Garbage Collection Platform)**
 - Built a Waste Management System using the MERN stack, enabling users to schedule garbage pickups, track collection status, and manage waste data efficiently through a responsive web interface and backend services.
https://github.com/shenalchanu8/Waste_Management_System
 - **Agio Welfare Management System**
 - A Dynamic ITP project for the Second year second semester project, Developed using MERN(MongoDB,React.js,Express,Node.js)Stack Technology. worked with 8 - member team
https://github.com/shenalchanu8/agio_client
https://github.com/shenalchanu8/agio_server
-

Personal Information

- Language - English, Sinhala
- Notice Period - 2 Month

I hereby declare that all above-mentioned information is in accordance with fact or truth up to my knowledge and I bear the responsibilities for the correctness of the abovementioned.