

SIVALINGAM LAKSHANAN

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SUMMARY

I am a dedicated Software Developer with a strong foundation in software engineering and a passion for building efficient, scalable, and user-focused solutions. With hands-on experience in designing, developing, and maintaining applications, I continuously strive to improve my technical expertise and stay current with evolving technologies.

PROFESSIONAL EXPERIENCE

April 2024 - Present

- TRACE Sri Lanka, Intern Software Engineer

Reservation Management System (RMS)

- Designed attractive UI/UX using Figma for both web and mobile views.
- Engineered responsive venue management interface with dynamic filtering and real-time updates
- Implemented secure user authentication with role-based access and session management
- Developed interactive booking system with real-time status updates and availability tracking
- Created mobile-responsive admin dashboard with venue utilization analytics
- Built reusable components for efficient state management and improved user experience
- Integrated automatic session timeout with secure logout functionality
- Designed and implemented mobile-first UI using Tailwind CSS

Tech Stack - **Nextjs, Prisma, Tailwind CSS, Google cloud, Shadcn and Docker**

Digital Logbook

- Contributed to the development of a cloud-based platform designed for tracking and managing logs digitally.
- Mentors can review students' activities and provide comments on their recent actions.
- The application was built on the Next.js framework with PostgreSQL as the database.
- Various services in this application were containerized using Docker Compose for easier deployment.
- Developed a responsive, mobile-first UI/UX using Tailwind CSS, Shadcn, and modern design principles.
- Deployed using AWS EC2.

Tech Stack - **Nextjs, Prisma, Tailwind css, Shadcn, AWS EC2 and Docker**

Online Book Store

- Developed an online bookstore application enabling users to browse, search for books, and place orders efficiently.
- Implemented an admin panel for administrators to manage book inventory and details.
- Built the frontend using React.js to ensure a responsive, intuitive, and user-friendly interface.
- Designed and developed the backend with Laravel to handle business logic securely and efficiently.
- Utilized MySQL to manage and store user data, book information, and order transactions.

Tech Stack - **ReactJS, Laravel, CSS, MySQL**

Foodie – Android Application

- Designed and developed Android UI using XML layouts
- Implemented backend integration with Firebase
- Managed user sessions and authentication flow
- Integrated Google authentication API
- Ensured secure data handling and role-based access

Tech Stack - ***Android Studio, Java, XML, Firebase, Google Authentication***

Vision Path – Assistive Mobile Application

- Designed accessible UI optimized for visually impaired users
- Integrated Gemini 2.5 AI for intelligent assistance
- Implemented voice recognition and voice response system
- Developed object detection and real-time guidance functionality
- Focused on inclusive and user-friendly experience design

Tech Stack - ***Android Studio, Kotlin, XML, Gemini 2.5 AI***

Chrono Track – Employee Time Tracking System

- Developed cross-platform application using .NET MAUI
- Designed PostgreSQL database schema
- Implemented REST APIs and Swagger documentation
- Built HR management panel
- Containerized backend services using Docker

Tech Stack - ***.NET MAUI, PostgreSQL, Docker, Swagger***

Platform - ***Windows and Android***

Third Hands Project – UI/UX Design

- Designed high-fidelity UI prototypes focusing on usability and accessibility.
- Created interactive wireframes and user flows to demonstrate application navigation and functionality.
- Applied modern design principles including typography, color systems, and responsive layout structures.
- Designed user-centered interfaces with clear visual hierarchy and intuitive interactions.
- Conducted iterative design improvements based on usability considerations.

Tech Stack - ***Figma***

- OUSL – Design Project

Gaurdy

- Developed Gaurdy, a mobile application using React Native, designed to streamline the process for civilians to file complaints with the police.
- Implemented the frontend with JavaScript and CSS, delivering a responsive and user-friendly interface.
- Built the backend using JavaScript for application logic and integrated Firebase for authentication and database management.

Tech Stack - ***React Native, Firebase, Java Script***

SKILLS

- Programming Languages - *Java, Python, TypeScript, JavaScript, C#*
- Frontend Frameworks and Libraries - *React.js, Next.js, Shadcn/UI, Ant Design, .Net Maui*
- Backend Frameworks and Tools - *Express.js, Laravel, .Net*
- Database and Cloud Services - *SQL (Query Language), Firebase, PostgreSQL, MS SQL Server, AWS, MongoDB*
- Testing Tools - *Jest, JMeter, Selenium*
- DevOps and Platforms - *Docker, Linux*

EDUCATION

Bachelor of Software Engineering Honours

Open University of Sri Lanka

- Course Work: Web Development, Database Systems, Software Architecture, Cloud Computing, Algorithms and Data Structures.

ADDITIONAL INFORMATION

Languages: English, Tamil, Sinhala

Certifications:

- Full Stack Development - University of Moratuwa Open Learn Platform
- CI/CD for beginners - Simply Learn
- Java, Python, Java script - Solo learn
- IBM AI Professional Certificate - Coursera

Sep 2021 - Present

REFERENCES

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