

# Sankeethan Tharmathayalan

## Full-Stack Developer

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### PROFILE SUMMARY

Self-taught Full-Stack Developer skilled in building scalable web and mobile solutions, solving complex challenges with innovative approaches. Proficient in **Next.js** for front-end and back-end development, along with **Node.js**, **Django**, and **PHP** for creating robust, high-performance applications. Experienced in modern frameworks, databases, and cloud services. Strong problem-solving abilities, collaborative teamwork, and a commitment to delivering efficient, user-centric solutions.

### TECHNICAL SKILLS

- **Languages:** TypeScript, Python, Java, C, PHP, HTML, CSS, JavaScript
- **Frontend Technologies:** Next.js, React.js, Tailwind CSS, Bootstrap, Zustand
- **Backend Frameworks & Technologies:** Django, Express.js (Node.js), Laravel (PHP)
- **Mobile:** React Native
- **Database:** MongoDB, PostgreSQL, MySQL, Firebase Firestore
- **DevOps:** AWS, Docker, Git
- **Integration:** RESTful APIs, GraphQL, OAuth 2.0 (Authentication), JWT (Token-Based Security), Firebase (Cloud Storage), OpenAI API, Supabase (Database), Stripe (Payment Gateway)
- **Familiar With:** Data Structures, Postman, Figma, Canva, MVC Architecture, Vercel & Netlify (Deployment), WebSockets, Prisma ORM, Redis

### EXPERIENCE

#### - Freelance Web Developer

2024 - Present

Passionate and self-driven web developer specializing in full-stack development. Actively seeking real-world projects to enhance my skills and stay updated with modern technologies. Experienced in building dynamic and scalable web applications using **Next.js**, **PHP**, **PostgreSQL**, **Supabase**, and more. Always eager to adapt, innovate, and deliver high-quality solutions.

- Developed "**StarLight**", a comprehensive e-commerce platform dedicated to promoting local products and supporting underprivileged communities. Designed and implemented a full-stack **Next.js** web application, seamlessly integrating **Wix** as the backend service to ensure a scalable, user-friendly, and efficient shopping experience. Focused on accessibility, performance, and a streamlined user journey to maximize impact. [Website Preview](#)
- Actively developing the core functionalities of "**Gallery Quest**", an AI-powered **photo-selling e-commerce platform** built on **PrestaShop**, tailored primarily for the **French market**. Enhancing both frontend and backend capabilities to optimize user experience, streamline transactions, and integrate advanced AI-driven features. Currently working on this project under **Ascentis Technologies** to deliver a cutting-edge, scalable solution. [Website Preview](#)
- Currently developing "**Simple Email Signature**", an email signature making tool using **Next.js** and **Supabase**, designed to provide professionals with a seamless way to create and customize email signatures. Focused on delivering an intuitive, user-friendly experience with editable templates and easy integration. Actively working on this project under **Ascentis Technologies** to enhance branding and communication efficiency for professionals. [Website Preview](#)

### PROJECTS

#### - TBD Reads - Comprehensive Book Review Site

[Project Preview](#)

**TBD Reads** is a **book review website** that enables users to create accounts, browse available books, and submit reviews with ratings. The platform also features an **admin dashboard**, allowing administrators to **add, edit, and delete books**, as well as **moderate and remove reviews** when necessary. Designed to foster a community-driven reading experience with a user-friendly interface.

- Frontend: Built with **Next.js** for a smooth, high-performance experience, combined with **Tailwind CSS** to ensure a responsive and modern UI.
- Backend: Developed using **Django** and **Django REST Framework**, featuring **JWT token-based authentication** for secure access and robust API functionality.
- Database: Powered by **PostgreSQL**, providing a scalable, efficient, and reliable database solution for handling user data and book reviews seamlessly.

## - QuickMatch - Service Pre-booking Platform

[Project Preview](#)

QuickMatch is a dynamic **web application** that simplifies the process of connecting **customers** with **service providers** in key industries such as **Electric, Electronic, Construction, and Event Management**. Customers can effortlessly log in, browse provider profiles, and book professionals with just a few clicks, ensuring a seamless service experience. On the other hand, service providers can efficiently manage bookings, accept or decline requests, and expand their customer base through a dedicated dashboard. Additionally, the **admin panel** offers system-wide controls for smooth management and oversight. Designed for convenience, efficiency, and accessibility, **QuickMatch** bridges the gap between demand and expertise, making service booking easier than ever.

- Frontend: Built using **React.js**, styled with **Bootstrap** and **Material-UI**, ensuring a responsive and modern user interface.
- Backend: Developed with **Core PHP**, utilizing **OOP concepts** to ensure structured code, secure authentication, and robust data protection.
- Notifications & Security: Integrated **instant in-app notifications** and **email notifications** via **PHPMailer**, along with **OTP verification** for enhanced security.
- Database & Hosting: Powered by **MySQL**, with **XAMPP server** used for local hosting and development.

## - NewsLanka - Simple News Website

[Project Preview](#)

NewsLanka a full-stack news website that delivers both Sri Lankan and global news, ensuring a seamless and user-friendly experience. Built with **Next.js** and styled using **Tailwind CSS**, the platform features dynamic news updates, intuitive search functionality, and structured content management.

- Dynamic News Listings: Fetches and displays the latest news from a **MongoDB** database for real-time updates.
- Search Functionality: Enables users to quickly find relevant news articles through an integrated search bar.
- Detailed News Pages: Provides full-length articles with comprehensive details upon selection.
- Enquiry Form: Allows users to submit inquiries via the contact page, securely storing data in the database.

## - CloneTube - A Youtube clone

[Website Preview](#)

Developed a **YouTube clone** using **React** and the **YouTube Data API**, enabling users to browse and play videos seamlessly. This project was built without relying on additional libraries like Firebase or Axios, ensuring a lightweight and efficient architecture. Designed with **responsiveness** in mind, the platform delivers a smooth user experience across all devices.

- Video Playback: Fetch and play videos directly using the **YouTube Data API**.
- Category Filtering: Users can browse videos by selecting different categories.
- Channel & Comments Display: View channel names and read comments on each video.
- Fully Responsive Design: Optimized for seamless usability on all screen sizes.

## MINI PROJECTS

### ◦ To-Do Application – MERN Stack

[Project Preview](#)

Developed a **fully functional To-Do application** using the **MERN stack (MongoDB, Express.js, React, and Node.js)**, designed for seamless task management with an intuitive user experience. Implemented full **CRUD functionality**, ensuring smooth task creation, editing, updating, and deletion.

- \* Task Management: Create, edit, update, and delete tasks effortlessly.
- \* Efficient Data Handling: View all tasks using optimized **GET** operations.
- \* RESTful API Development: Built a backend using **Node.js** and **Express.js**, with **API endpoints** tested via **Postman**.
- \* Database Storage: Utilized **MongoDB**, hosted on a local server for structured and scalable data management.
- \* User-Friendly UI: Designed an interactive and responsive frontend using **React** and **Bootstrap** for a smooth user experience.

### ◦ Dynamic Image Gallery

[Project Preview](#)

Developed a **dynamic image gallery** using **HTML, CSS, and JavaScript**, featuring seamless image exploration, search, and downloads. Integrated a **free image rendering API** to provide users with an unlimited collection of high-quality images. Designed to be **fully interactive and responsive**, ensuring an engaging experience across all devices.

- \* Unlimited Image Collection: Fetches high-quality images dynamically from an API.

- \* Search & Explore: Users can search for specific images with instant results.
- \* Download Functionality: Allows users to save images effortlessly.
- \* Interactive & Responsive Design: Ensures smooth navigation and adaptability across all devices.

#### ◦ **Dynamic - Movie Streaming Website**

[Project Preview](#)

Developed a **simple yet functional movie streaming website** using **JavaScript, HTML, and CSS**, focusing on mastering core **JavaScript techniques**. The project includes interactive UI elements, enhancing user experience with smooth navigation and dynamic content rendering.

- \* Responsive Toggle Menu: Designed for better accessibility on small screens.
- \* Image Slider: Includes both **manual controls** and an **auto-sliding feature**.
- \* Sign-In Box: Interactive pop-up for user login with open/close functionality.
- \* Movie Search Functionality: Fetches and displays movie results based on user input.

## EDUCATION

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#### ◦ **Bsc. (Hons) in Computer Science and Technology** (Reading)

*2022 – Present*

Uva Wellassa University, Badulla, Sri Lanka

CGPA-3.78/4

*2012 – 2020*

#### ◦ **Secondary Education**

Jaffna Hindu College, Jaffna, Sri Lanka

Advanced Level - Mathematics