

THARMATHURAI KAJAGOBAN

Software Engineer

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 Tharmathurai Kajagoban

PROFILE

Detail-oriented Computer Science graduate with hands-on experience as a Full Stack Developer Intern, actively seeking a Software Engineering Position. Experienced in designing and developing full-stack applications using Spring Boot, React, and RESTful APIs, and proficient in Git and GitHub for version control. Passionate about building scalable, efficient, and maintainable software solutions while solving real-world problems. Demonstrates strong problem-solving abilities, effective teamwork, and clear communication skills, with a continuous drive to learn and adapt to new technologies.

PROFESSIONAL EXPERIENCE

Full Stack Developer Intern

07/2025 – present | jaffna

Samuel Gnanam IT Center

- Developing and enhancing full-stack web applications using **Spring Boot, React, and TypeScript**, focusing on scalable and maintainable architecture.
- Managing source code with **Git/GitHub**, including **pull requests and code reviews**, to ensure code quality and smooth integration.
- Improving UI and form handling using **React Hook Form** and **Tailwind CSS**, integrating **Axios** for efficient API communication.

EDUCATION

BSc in Computer Science

Trincomalee Campus, Eastern University of Sri Lanka

PROJECTS

Restaurant Management System

- Built a full-stack Restaurant Management System using **React (TypeScript)**, **Spring Boot**, and **MySQL**.
- Implemented **restaurant CRUD operations** with **pagination**, food ordering, customer management, user management, and email configuration.
- Secured the system with **JWT authentication** and **role-based access control** using **Spring Security**
- Improved UI and form handling with **React Hook Form** and **Tailwind CSS**, integrating **Axios** for efficient API communication.

Restricting Fake Content Spreading on Social Media Using Blockchain

Front-End Development: Developed an intuitive web interface for users to report, validate and view flagged social media content, with real-time updates and community feedback integration.

Database Management: Using IPFS for decentralized content storage and managed user reputation and activity logs using a hybrid on-chain/off-chain architecture to ensure data integrity and efficient access.

Back-End Development: Built a scalable backend using Python and Solidity, implementing FBA consensus, sharding, and a reputation-based system to assess content credibility. Tools used: [Solidity, Python, IPFS, NLP, Blockchain, Smart Contracts, Web3.js, ReactJS, Node.JS]

Leave Management System

- Developed a full-stack Leave Management System using **Laravel (REST APIs)**, **Vue 3**, and **MySQL**.
- Implemented **role-based authentication and authorization** using **Laravel Sanctum** for Admin / Manager / Employee roles.
- Built **leave request, approval workflow, and leave history management** with pagination and filtering.
- Designed **admin and manager dashboards** and a responsive UI using **Vue 3, Tailwind CSS**, and **Vue Router**.
- Integrated **Axios** for efficient API communication, error handling, and form validation.

ATM Management System

- Developed a full-stack **ATM Management System** using **Java (JDBC)** for backend logic, **React with TypeScript** for the frontend, and **MySQL** for data storage.
- Implemented **secure user login** with card number and PIN validation using **MySQL database queries**.
- Built **deposit and withdrawal modules**, including **currency note breakdown calculation** for deposited amounts.
- Designed responsive and reusable UI components using **React**, with navigation handled by **React Router**.
- Integrated frontend and backend using **RESTful APIs** and handled form validation and error scenarios.

SKILLS

Development Technologies

Java | C++ | PHP(Laravel)|
Python | HTML | Tailwind CSS |
JavaScript | Vue 3| React

Version Control

Git | GitHub

Database Management

MongoDB | MySQL

REFERENCES

Mrs.Thanushya Thanujan, Senior Lecturer Gr-II,
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