Kumaresan Kajarajithan

Software Engineer

k.kajan2001@gmail.com Nelliyady, Jaffna, Sri Lanka github.com/Kajan2709
linkedin.com/in/Kajarajithan +94 76 719 2436

PROFESSIONAL SUMMARY

Motivated Computer Science undergraduate with hands-on experience in full-stack development, mobile application development, and software testing. Skilled in Java, Spring Boot, React Native, TypeScript, REST APIs, and PostgreSQL, with experience in secure backend systems, API integration, and QA testing. Seeking a Software Engineering opportunity to contribute technical expertise and deliver reliable, scalable software solutions.

EDUCATION

BSc (Hons) in Applied Computing 2022 – 2026
University of Jaffna, Sri Lanka
OGPA: 3.1 / 4.00

Secondary Education – Hartley College, Point Pedro
GCE A/L (Physical Science Stream): B, 2C 2020
GCE O/L: 7A, 2B 2017

PROFESSIONAL EXPERIENCE

Intern Software Engineer November 2025 – March 2026
Techorin, Sri Lanka

- Gained practical knowledge of Quality Assurance (QA) processes, software testing methodologies, and industry-standard QA workflows.
- Developed an understanding of test case preparation, bug identification, defect reporting, and software quality standards in a professional environment.

Intern AI Engineer (Development & QA) May 2026 – October 2026
Samuel Gnanam IT Center, Sri Lanka

Spring Boot • React.js • React Native

- Developed a Defect Tracking System using Java, Spring Boot, PostgreSQL, and REST APIs to manage defects, projects, employees, and workflows.
- Implemented CRUD operations, JWT authentication, role-based access control, and secure backend API integrations.
- Built a cross-platform mobile app using React Native, Expo, and TypeScript with defect tracking, project dashboards, risk analysis, and data visualization.
- Conducted functional, API, integration, and regression testing; used Postman to validate REST endpoints, verify database operations, and investigate defects.
- Applied QA practices including test case preparation, bug identification, defect reporting, and retesting; practiced web UI automation with Selenium WebDriver.
- Deployed and maintained the Spring Boot application on Azure Ubuntu VM using PostgreSQL and systemd services.

PROJECTS EXPERIENCE

GK Tennis Academy Management System 2025
Group Project • React • Next.js • TypeScript • Supabase • Tailwind CSS • PostgreSQL

- Developed a Tennis Academy Management System to streamline court bookings, coach scheduling, and tournament management.
- Implemented user registration and role-based access control for players, coaches, and administrators, ensuring secure operations.
- Designed court booking and payment workflow, including payment processing, booking approval, and real-time availability updates.
- Worked collaboratively in a **5-member team, using GitHub for version control, implementing CRUD operations, and contributing to teamwork, code management, debugging, and feature development throughout the project lifecycle**.

Channeling Center Management System 2026
MongoDB • Express.js • React.js • Node.js • Tailwind CSS

- Built a full-stack system for management to maintain patient records and track medicine inventory.
- Built a full-stack system enabling doctors to manage and access patients' medical history.
- Implemented role-based access control for management; restricted uploads for unauthenticated users.
- Implemented a secure payment system to facilitate online payments for patient appointments and consultation fees.

Expense Tracker Mobile Application 2026
Flutter • Node.js • Express.js • MongoDB • REST APIs

- Engineered a full-stack mobile application enabling users to monitor and manage expenses with real-time synchronization.
- Designed and developed RESTful APIs for handling expense creation, retrieval, and deletion.
- Utilized MongoDB for persistent data storage, ensuring reliability and scalability.
- Integrated Flutter frontend with backend services for seamless data flow and improved user experience.
- Applied modular architecture and state management techniques to enhance maintainability and performance.

Defect Tracker Mobile Application 2026
React Native • Expo • TypeScript • Spring Boot • PostgreSQL • REST APIs

- Developed a cross-platform defect tracking mobile application using React Native, Expo, and TypeScript, integrated with Spring Boot REST APIs.
- Implemented interactive dashboards with project-based defect monitoring, risk analysis, severity metrics, and data visualization.
- Integrated JWT authentication, role-based permissions, and dynamic defect filtering with a shared PostgreSQL backend.

TECHNICAL SKILLS

Languages	**Java JavaScript TypeScript Dart**
Backend	**Spring Boot Node.js Express.js REST APIs**
Frontend	**React.js Next.js React Native (Expo) Flutter Tailwind CSS**
Databases	**PostgreSQL MySQL Supabase MongoDB**
DevOps & Tools	**Git Postman Selenium Azure VS Code**
Core Concepts	**OOP Networking Fundamentals CRUD Operations**

LANGUAGES

- Tamil – Native
- English – Professional Proficiency

EXTRACURRICULAR ACTIVITIES & MEMBERSHIPS

- Member of IEEE Student Branch, University of Jaffna 2022
- Member of Mathematics Society, University of Jaffna
- Member of Computer Society(CompSoc), University of Jaffna

REFERENCES

Prof. A. Ramanan
Professor
Department of Computer Science
University of Jaffna
a.ramanan@univ.jfn.ac.lk

Dr. S. Shriparen
Senior Lecturer
Department of Computer Science
University of Jaffna
shriparens@univ.jfn.ac.lk