TIMOTHY SAHAN
SOFTWARE ENGINEER- INTERN

Portfolio | +94 70 467 6682 | timothysdissanayake@gmail.com | LinkedIn | GitHub

OBJECTIVE

3rd year Computing student seeking software engineering internship to apply backend development and systems design skills in a production environment.

TECHNICAL SKILLS

- ✅ Languages: Golang, JavaScript/Node.js, Python, Dart (Flutter), Java, C
- ✅ Backend & APIs: Go (Gin), Node.js (Express), RESTful API design, JWT authentication, Redis caching, GORM
- ✅ Databases: PostgreSQL, Firestore, Redis, MySQL, MongoDB
- ✅ Mobile & Frontend: Flutter, React, Next.js, Firebase (Auth, Firestore)
- ✅ Tools & DevOps: Docker, Docker Compose, Git, Linux, Postman, VS Code
- ✅ Core Competencies: Full-stack development, API-driven architecture, Real-time data handling, database modeling

PROJECTS

Full-Stack CRM System for Visa Consultancy Agencies
Tech Stack: Go (Gin, GORM) • PostgreSQL • React • TypeScript • Docker

- Developed customer relationship management system for overseas education consultancies using Go (Gin, GORM), PostgreSQL, React/TypeScript, and Docker
- Implemented role-based access control supporting 4 user tiers with JWT authentication and secure password hashing
- Built RESTful API with filtering, full-text search using PostgreSQL trigram indexes, and pagination for efficient data retrieval
- Designed normalized database schema with automated audit trails and timestamp triggers
- Containerized with Docker and deployed production demo on Railway managing 50+ sample leads

GitHub 🔗   Live Demo 🔗   *Demo Login Credentials:*
email: demoview@example.com
password: demopass123

Unveil - Location-Based Event Discovery App
Tech Stack: Flutter • Firebase (Auth) • Cloud Firestore • Dart • GeoLocation APIs

- Developed cross-platform mobile app for real-time event discovery based on user location using Flutter and Firebase
- Implemented location based event filtering with GPS integration and geofencing for automated nearby event notifications
- Built user authentication system with Google OAuth and Firebase Auth
- Integrated Firebase Cloud Messaging for real-time push notifications and Cloud Firestore for event data synchronization
- Managed app state using Provider pattern for reactive UI updates

GitHub 🔗

Seed Seeker - Agricultural Marketplace Platform
Group Project | Backend Development
Tech Stack: NextJS • NodeJS • MongoDB • Mongoose • NextAuth

- Built full-stack e-commerce platform connecting farmers with seed buyers featuring product listings, cart system, and user ratings
- Developed RESTful API using Next.js App Router for authentication, user management, and seed inventory operations
- Designed MongoDB database schemas (Users, Seeds, Ratings, Cart) with Mongoose for data validation and referential integrity
- Implemented secure authentication with NextAuth.js, bcrypt password hashing, and session management
- Created CRUD endpoints for user registration, product listings, and inventory management with comprehensive error handling

GitHub 🔗

MediTrack SUSL – Medical Inventory Management System
Group Project | Full-Stack Development
Tech Stack: Laravel 8 • PHP 7.4 • MySQL • Blade • JavaScript

- Developed the Add Product view with fields for name, quantity, price, manufactured date, expiry date, and batch number.
- Implemented a dynamic category dropdown, with options fetched from the database via the Dashboard Controller.
- Created both web routes and API routes for accessing the Add Product module.
- Added form handling logic with input validation and error feedback for product creation.
- Built frontend components using Blade templates, JavaScript, and jQuery.

GitHub 🔗

EDUCATION

BSc (Hons) in Computing and Information Systems
Sabaragamuwa University of Sri Lanka — 2023 – Present
- Current Year: 3rd Year
- Focus Areas: Software Engineering, Project Management, System Analysis and Design, Operating Systems, UI/UX design.

REFERENCE

Mr. H.M.K.T. Gunawardhana, Lecturer, Faculty of Computing,
Sabaragamuwa University of Sri Lanka.
+94 77 186 8212
kalinga@foc.sab.ac.lk

K.M.N. Kalansurya, Senior Software engineer,
Xteam Pvt ltd.
+94 76 882 4308
madhurekakalansuriya@gmail.com