

KAVISKA DINAJARA

Associate Software Engineer

+94 77 816 5268 | hello@kavishkadinajara.com

[GitHub](#) | [LinkedIn](#) | kavishkadinajara.com

Galle, Sri Lanka

Rugby | Photography | Travelling | Reading



PROFILE

Passionate and self-driven software engineer with over 1.5 years of hands-on industry experience, currently serving as an Associate Software Engineer at Agrithmics (Pvt) Ltd. Skilled across the full stack - building enterprise-grade ERP systems, AI-powered platforms, and scalable web applications using React, .NET Core, Next.js, and SQL Server. Pursuing a Higher National Diploma in Software Engineering at NIBM (GPA 3.81). Like on the rugby field, I bring discipline, fast adaptability, and a team-first mindset to every sprint.

WORK EXPERIENCE

Associate Software Engineer

Agrithmics (Pvt) Ltd

May 2025 – Present

- ▶ Led full-stack development of AgriGen ERP - an enterprise tea/agricultural estate management platform serving Bangladesh and Sri Lanka, built on React + Material-UI v4, .NET Core C# with Clean Architecture, Dapper ORM, and SQL Server.
- ▶ Architected a Multi-Pack Invoice Configuration feature using a Bridge Table pattern enabling backward-compatible schema changes across 7 screens with a unified SQL view (vw_InvoicePackSummary) and a React MultiPackInput component.
- ▶ Engineered complex SQL stored procedures and CTEs for KPI dashboards, field-wise P&L reports, and estate-division reporting hierarchy with 17-file React component refactor.
- ▶ Debugged critical production issues including a JavaScript toISOString() timezone bug causing Green Leaf receiving weight deductions to shift dates in IST-to-UTC conversion.
- ▶ Implemented Polly retry policies and structured NLog error logging across AccountPayable and InvoicePayment repositories in C# backend.
- ▶ Deployed applications through Azure DevOps CI/CD pipelines; hosted on Azure VMs.

Intern Software Engineer

Agrithmics (Pvt) Ltd

Dec 2024 – May 2025

- ▶ Contributed to AgriGen ERP, Cargills Supplier Chain, and Balangoda Plantation Procurement System.
- ▶ Built responsive React UI components integrated with .NET backend APIs via Axios.
- ▶ Implemented Redis caching and RabbitMQ-based data load processing pipelines.

PROJECTS

MediChainLK | [Next.js 15](#) · [NestJS](#) · [FastAPI](#) · [React Native Expo](#) · [Prisma](#) · [Firebase](#) · [AWS](#) · [Neon](#)

- ▶ AI-powered pharmacy management platform for Sri Lanka with India/Bangladesh expansion - full Turborepo monorepo with admin/pharmacy portals and mobile app.
- ▶ Integrated Google Cloud Vision OCR + spaCy med7 NLP for prescription reading, Firebase Custom Claims RBAC (4 roles), and adapter pattern for delivery/payment providers.
- ▶ Hosted on AWS Mumbai with PickMe Flash, Grasshoppers, PayHere, and WEBXPAY integrations.

FileFlowOne (FYP) | [Next.js 14](#) · [TypeScript](#) · [Python FastAPI](#) · [sentence-transformers](#)

- ▶ Open-source, privacy-first universal file conversion app at [fileflow-one.vercel.app](#) with research direction on edge-based SLMs for semantic data transformation.
- ▶ Designed and implemented the Semantic Fidelity Index (SFI) a novel cross-format semantic preservation metric: $0.35 * S_{\text{structural}} + 0.45 * S_{\text{semantic}} + 0.20 * S_{\text{functional}}$ — via Python FastAPI microservice with all-MiniLM-L6-v2.

Eventure – Event Ticketing System | [Next.js](#) · [Tailwind CSS](#) · [Ballerina](#) · [PostgreSQL](#)

- ▶ Placed 5th among 100 university teams at the 'Innovate with Ballerina' hackathon enabled ticket sales, photo submissions, and QR-based event verification.

Care32 – Dental Clinic Management | [Next.js](#) · [Tailwind CSS](#) · [Supabase](#)

- ▶ Full clinic operations platform covering patient management, doctor schedules, treatment records, and appointment bookings with real-time features and secure auth.

MinistoreX | [Kotlin](#) · [Jetpack Compose](#) · [Room DB](#) · [Supabase](#) · [Hilt](#)

- ▶ Android debt-tracking app for small shops. Features bilingual support (Sinhala/English), theme switcher, and Supabase cloud sync.

TECHNICAL SKILLS

Frontend	React JS · Next.js 14/15 · Material UI v4 · Tailwind CSS · Framer Motion · Hero UI · shadcn/ui
Backend	.NET Core (C#) · NestJS · FastAPI (Python) · Ballerina · Dapper ORM · REST APIs
Mobile	React Native (Expo) · Kotlin · Jetpack Compose · Room DB
Database	SQL Server · PostgreSQL · MySQL · Supabase · Prisma · Redis
DevOps	Azure DevOps · CI/CD Pipelines · Azure VMs · AWS · Firebase · Vercel
Messaging	RabbitMQ · Google Cloud Vision · spaCy NLP
Languages	JavaScript · TypeScript · C# · Python · Java · Kotlin
Tools	Git / GitHub · Turborepo · Agile / Scrum

EDUCATION

Higher National Diploma in Software Engineering

National Institute of Business Management (NIBM), Galle

Nov 2023 – Present

- ▶ Current GPA: 3.81

Higher National Diploma in Software Engineering

National Institute of Business Management (NIBM), Galle

Aug 2022 – Sep 2023

- ▶ Completed with GPA of 3.81

GCE Advanced Level - Physical Science Stream

Vidyaloka College, Galle

2021 (2022)

- ▶ 3 C passes.

REFEREES

Mr. Vishwa Rathnayake

Product Owner & QA Engineer - Agrithmics (Pvt) Ltd
+94 76 658 5070 | vishwa@agrithmics.lk

Mr. Evantha Dissanayake

Senior Software Engineer - Agrithmics (Pvt) Ltd
+94 71 352 5929 | evantha@agrithmics.lk