

# Avishka Indula

# Rajapaksha

SOFTWARE ENGINEER

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## Profile Summary

Software Engineer with **2+ years** of experience in full-stack development and team leadership, specializing in **AI-driven solutions** and real-time data processing. Led a team of 4 engineers to develop **Vahana.lk**, a classified vehicle listings platform awarded **Topweb.lk**. Contributed to AI enhancements at **MidFunnel**, improving follow-up accuracy and efficiency. Developed an AI-powered RPG gaming experience recognized with multiple awards. Solo developer of **Barista Digital Textbook**, an LMS app that reached **#21** on the **iOS App Store Education chart**.

## Core Competencies

- React.js, ES6
- JavaScript, TypeScript
- Supabase, Appwrite
- Redux, MobX
- Zustand, Legend State
- PowerSync
- Advanced Debugging
- Node.js, Express, Nest.js
- PostgreSQL, MongoDB
- REST API
- AWS, MS Azure
- Git, Docker, CI/CD
- Next.js, React Native
- Python
- Vercel AI SDK
- Trigger.dev
- HTML, CSS, Tailwind
- Jest, Vitest

## Experience

MidFunnel | Junior Software Engineer

May 2024 – Present

*Fulltime*

- Engineered MidFunnel GPT, an AI-powered solution that contextualizes CRM activities and emails, leveraging API Deck, Unipile, and vellum.ai to improve follow-up accuracy.
- Developed **MidFunnel GPT** to contextualize CRM activities and emails using API Deck, Unipile, and vellum.ai.
- Built a **Signals Engine** to generate insights from LinkedIn, Twitter, and blog activity via FastAPI, PromptLayer, and web scrapers.
- Created a real-time email composer with synced context and integrated **Microsoft OAuth** via Entra.
- Enhanced onboarding and session management with **Clerk**; enabled multi-device sync with **MobX** and **PowerSync**.
- Built responsive frontends with **Next.js**; handled data with **Prisma ORM**, PostgreSQL, and **Supabase**.
- Automated workflows using **trigger.dev** and integrated **HubSpot** via revert.dev.
- **Tech Stack:** *Next.js, React, Node.js, FastAPI, PostgreSQL, Prisma ORM, Supabase, MobX, PowerSync, Clerk, Trigger.dev, PromptLayer, Revert.dev, API Deck, vellum.ai, Vitest, Github Actions, JavaScript / Typescript, Rest API, Redux*

*Fulltime*

- Delivered full-stack applications using Node.js, Next.js, React, and React Native, optimizing microservices on AWS and GCP.
- Developed **CareView**, a web-based patient record platform for NHS, enhancing real-time data access.
- Created **Saleswin**, a CRM for Idea Group Ltd, streamlining lead management and sales processes.
- Launched **Apartner**, an apartment management platform, improving resident-manager coordination.
- Built **Nutyre**, an e-commerce platform for online tyre retail in the UK.
- **Tech stack:** *Next.js, React, Node.js, React Native, MongoDB, AWS, Docker, Jest, MySQL, MsSQL, JavaScript / Typescript, Rest API, Redux*

## Freelance Projects & Contracts

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Candea Digital | Lead Software Engineer

June 2024 – March 2025

*Contract*

- Led a team of 4 engineers in developing **Vahana.lk**, a vehicle listings platform with 39,000 users and 14,000 ads, winning the **Topweb.lk** award in April 2025.
- Architected a real-time dashboard for IT admins to oversee vehicle listings efficiently.
- Introduced an ad boosting feature, increasing ad visibility through additional payments.
- Developed a comprehensive Ads Manager for vendors to manage ad placements.
- Streamlined user management to enhance profile handling and platform interactions.
- Oversaw code reviews and mentored the team to ensure high-quality software delivery.
- **Tech stack:** *Appwrite, Next.js, Nest.js, AWS, Pusher, Shadcn, Hutch Enterprise Solutions.*

Barista Digital Textbook

August 2024 – April 2025

*Contract*

- **Solo developer** of Barista Digital Textbook, an LMS for **Barista Sri Lanka**, the largest coffee chain in the country, designed to enhance training and skill development.
- Developed a **React Native** app with a **Next.js** dashboard for multi-device access.
- Achieved **#21** on the **iOS App Store Education chart**, featuring secure video streaming, user management, and analytics.
- Backend powered by Appwrite for reliable data management.
- **Tech stack:** *Appwrite, Next.js, Node.js, React, React Native, Expo, Vimeo, Shadcn*

Half Life | Software Engineer

March 2024 – September 2024

*Contract*

- Developed **Bconic**, a marketing automation tool, to streamline campaign workflows and data visualization.
- Crafted Bconic DataViz, an NPM analytics library, presenting data from Bconic's data lake.
- Created interactive data visualizations using Recharts.js, React, Tailwind, and GeoJSON.
- Delivered modular dashboard components for marketing data insights.
- **Tech stack:** *Next.js, Shadcn, Tailwind, Recharts.js, GeoJSON, NPM.*

## Med-Docz

October 2024 – December 2024

- Developer of Med-Docz, a Medical Learning Resource Management System for the **Ragama Faculty of Medicine**, facilitating access to medical study materials.
- Designed a folder/file system for structured resource management and batch coordination.
- Supported **500+ medical students** with AWS S3 file storage and Appwrite as the backend.
- **Tech stack:** *Appwrite, Next.js, React, Node.js, AWS S3, Fly.io, Shadcn*

## Education

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University of Westminster, BSc (Hons) Computer Science (reading)

2023 - 2027

Affiliated with Informatics Institute of Technology (IIT), Sri Lanka

Dharmaraja College, Kandy - G. C. E. Advanced Level

2021

Stream: Biological Science

## Achievements

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### Alfai Odyssey

- Led the development of an AI-powered RPG gaming experience that generates storylines and gaming assets in real-time based on user interactions.
- **Technologies:** OpenAI GPT-3.5 API, DALL-E API, Node.js, Express, React, AWS EC2, Cloudinary, Phaser 3.
- **Achievements:**
  - **Champion:** CodeRally 4.0 - Organized by IEEE CS of IIT, Virtusa, and ZinCat Technology.
  - **1st Runner-Up:** IIT InnovateX - Organized by IIT School of Business.

## Certificates

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- **Developing Front-End Apps with React**  
Issued by IBM — May 2024  
Credential ID: VQEUNKARSUPM
- **NestJS Microservices: Build & Deploy a Scalable Backend**  
Issued by Udemy — Jan 2024  
Credential ID: UC-b1a33e62-9a20-4d64-9f80-a6060bd2a7e7

## Non-Related Referees

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