

Nisuga Jayawardana

Bristol, United Kingdom | [Website](#) | [LinkedIn](#) | [Github](#) | +447453505125 | nisuga.rockwell@gmail.com

ABOUT

Disciplined Software Engineer with over 4.5 years of experience specialising in **Backend development** and **GenAI RAG/Agentic workflows**. Proven track record of delivering end-to-end AI Assistants for government-level clients, developing a large-scale data stream management system for a telco org, and optimising data migration systems of an ERP application. I combine a deep background in **Python and Java** with modern frontend frameworks like **React and Svelte** to build scalable, full-stack products that solve complex real-world problems.

WORK EXPERIENCE

Resource Media

Bristol, UK

AI Apps & Web Developer

Dec 2023 - Present

- Launched an AI Assistant for the [North London Waste Authority](#) (End-to-end development and deployment).
- Crafted and deployed custom websites for business clients ([resourcefutures.co.uk](#), [bb-reg-net.org.uk](#), [bbia.org.uk](#).)
- Mainly engineering AI-Powered Information Solutions and AI-Assisted Chatbots to support the private and government organisations(UK & European) in the Circular Economy domain.
- Crafting a [modern high-end website](#) for [resource.co](#).

IFS R&D

Colombo, Sri Lanka

Software Engineer, Data team

Jan 2022 - Jan 2023

- Enhanced performance of [IFS Data Migration Manager](#), achieving a 3x faster overall processing speed.
- Enhanced the data migration process by implementing a revised table definition build process that addresses critical bugs in the [IFS Data Migration Manager](#).
- Leveraged unit testing to improve the functioning accuracy of [IFS Data Migration Manager](#) and [IFS Data Catalog](#).

X.O Concepts

Colombo, Sri Lanka

Software Developer

Jan 2021 - Aug 2021

- Developed a nationwide Cell Tower Alarm Management Application for a major telecommunication provider (Dialog PLC). Successfully solved critical Kafka issues with their network operations team.
- Designed and crafted a crop management dashboard for an Agri company (Viridio)

Omobio, Sri Lanka

Nov 2019 - May 2020

Internship - Full-stack developer

- Contributed to multiple projects of the Digital AD-Platform System (adReach).
- Crafted an Interview Management Portal for the Company's HR Division.
- Gained valuable experience in SCRUM, Git, Task Management, React, Yii, ExtJS, and Material-UI.

EDUCATION

University of the West of England

Bristol, UK

MSc in Information Technology

Graduation Date: Feb 2024

Sri Lanka Institute of Information Technology

Colombo, Sri Lanka

BSc. (Hons) in Software Engineering

Graduation Date: Mar 2022

SKILLS

Frontend: React, ReactNative, Svelte, AstroJS

Backend: Python(incl. FastAPI), NestJS, NodeJS, Java (J2EE & Springboot)

Infra: Terraform, Docker

Cloud: AWS(EC2, SNS, S3, Route53), Google Cloud (Compute Engine, MapsAPI, VertexAI)

Database: MySQL, PostgreSQL, MongoDB

CERTIFICATES

- Docker Mastery: with Kubernetes +Swarm
- Programming Foundations: Algorithms
- Continuous Integration and Continuous Delivery with GitLab
- Claude Code 4: Agentic Coding for Professional Developers

SPORTS/HOBBIES/INTERESTS

- A badminton player with a track record of winning all-island, inter-school badminton team championships
- A fan of cats and aviation
- Cricket, Table tennis
- Travelling and gatherings

RIGHT TO WORK

Currently hold the right to work on a Graduate Visa expiring on 31/05/2026 and will need visa sponsorship from the employer after 31/04/2026.