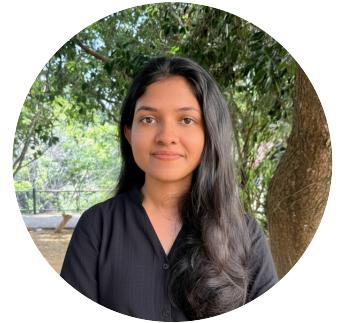# JAYANI DAHANAYAKE

Software Engineer Intern

🔗 www.jayanidahanayake.me   ✉ jayanianuththara10@gmail.com

📞 +94721130036   📍 Mirigama, Gampaha   in Jayani Dahanayake

○ JayaniDahanayake

PROFILE

I am a Computer Science undergraduate (GPA: 3.97/4.00) and full-stack developer with practical experience in building and deploying full-stack applications using Java Spring Boot, Spring Security, REST APIs, React, Docker, GitHub Actions, and Digital Ocean. Passionate about system design, creating scalable and maintainable systems. I am currently seeking a software engineering internship where I can apply my skills to real-world projects and learn from experienced industry experts.

EDUCATION

Bachelor of Computer Science (General),   2023 – Present
University of Ruhuna, Sri Lanka
(Current GPA: 3.97 / 4.00)

G.C.E. Advanced Level (A/L), *[Maths Stream]*   2021
- Combined Mathematics - B
- Physics - B
- Chemistry - B

PROJECTS

DayBee.lk , AI-Powered Smart Part-Time Employment System,   2025 – 2026
Team Leader | Lead Developer & Architect - Final Year Project
Live link: daybee.jayanidahanayake.me 🔗

Technologies: Java Spring Boot, Hibernate, MySQL, Spring Security, Spring AI, RESTful APIs, JWT, OpenAI (RAG), React, Tailwind CSS, ShadcnUI, Typescript, Payment gateway integration, Azure Blob Containers, OpenStreetMap, Leaflet.js, Nginx, Redis, Docker, GitHub Actions, DigitalOcean

- Designed and architected the system using a modular monolithic architecture with clearly separated domain modules to support end-to-end part-time job workflows.
- Designed and developed secure RESTful APIs using Spring Boot with JWT-based authentication, role-based authorization, and Spring Security.
- Implemented advanced job search and filtering features, including real-time location-based job discovery using OpenStreetMap and Leaflet.js.
- Built the complete job application life-cycle, enabling employers to approve/reject applications, automatically issue QR codes via email for attendance tracking, and promote job posts using a payment gateway to increase visibility in search listings.
- Integrated an AI-powered job recommendation system and chatbot using Spring AI, OpenAI APIs, Retrieval-Augmented Generation (RAG), and vector embeddings connected to the job database.
- Used Redis for caching and improving application performance, ensuring faster response times for users.
- Configured Nginx as a reverse proxy to manage HTTP requests, improve performance, and enhance application reliability.
- Deployed the application on DigitalOcean using Docker containers, ensuring scalability and reliability.
- Implemented CI/CD pipelines with GitHub Actions to automate testing, building, and deployment for faster development cycles.
- Leveraged Azure Blob Storage for secure image storage and management of application assets.

Eventra - Event Ticket Booking System, *Individual Project* 2025 – 2026
Live link: **eventra.jayanidahanayake.me** 🔗

Technologies: Java Spring Boot, MySQL, Hibernate, Spring Security, React, Typescript, Tailwind CSS, JWT, Payment gateway Integration, Azure Blob Containers, Nginx, Redis, Docker, GitHub Actions, DigitalOcean

- Designed and implemented a full-stack event ticket booking platform to replace inefficient manual ticketing processes.
- Developed scalable RESTful APIs using Spring Boot to support event management, ticket bookings, and end-to-end user workflows.
- Implemented secure authentication and role-based access control using Spring Security with JWT access and refresh tokens, and built a responsive frontend using React and Tailwind CSS.
- Integrated secure payment gateway functionality to enable seamless ticket purchases and improve event discovery, reservation handling, and booking management.
- Configured Nginx as a reverse proxy to manage HTTP requests, enhance performance, and improve system reliability.
- Deployed the platform on DigitalOcean using Docker containers to ensure high availability and scalability.
- Implemented CI/CD pipelines with GitHub Actions to automate building and deployment for faster and reliable updates.
- Used Azure Blob Storage and Redis for efficient asset management, caching, and optimized application performance.

SKILLS

Programming Languages: Java ｜ Typescript

Frameworks & Technologies: Spring Boot ｜ Spring Security ｜ Spring AI ｜ Hibernate ｜ JWT ｜ RESTful APIs ｜ React.js ｜ Tailwind CSS

Databases & Caching: MySQL ｜ Redis (Beginner) ｜ MongoDB (Beginner)

Tools & Platforms: Docker ｜ Nginx (Beginner) ｜ GitHub ｜ GitHub Actions ｜ Postman ｜ Git

CERTIFICATES

InsurgeX 1.0 -Intra University Hackathon 2024
Organized by Department of Computer Science, University of Ruhuna

Road to InsurgeX 1.0 Hackathon
Organized by Department of Computer Science, University of Ruhuna

ORGANISATIONS

Computer Science Students' Committee (CSSC) - University of Ruhuna, *Member* 2023 – Present

Career Compass - University of Ruhuna, 2025
Technical Committee Member

REFERENCES

Ms.Niroshi Alwis, *Lecturer,* University of Ruhuna
madushani.n@dcs.ruh.ac.lk, +94717300856