

YASINDU ANUSHKA GUNASEKARA

Associate Software Engineer | Full-Stack Java Developer | AI Enthusiast

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Portfolio: portfolio-nextjs-ashy-phi.vercel.app

PROFESSIONAL SUMMARY

Associate Software Engineer with 3+ years of industry experience at HCLTech Sri Lanka, specializing in full-stack Java development using Spring Boot and Spring Framework. Currently pursuing a BEng (Hons) in Software Engineering from the University of Westminster, UK. Proven experience delivering enterprise-grade RESTful APIs, cloud deployments on AWS, and AI-powered applications using LangChain, LLMs, and generative AI. Holds Snowflake SnowPro Core Certification. Open to international software engineering opportunities, including remote and relocation roles.

TECHNICAL SKILLS

Languages: Java, Python, TypeScript, JavaScript, SQL

Frameworks & Libraries: Spring Boot, Spring Framework, Spring Security, NestJS, React.js, Next.js, Angular, Flask, Node.js

AI & ML: LangChain, OpenAI API, TensorFlow, PEFT, LLM Fine-tuning, Generative AI, RAG

Databases: MySQL, PostgreSQL, Snowflake

Cloud & DevOps: AWS (EC2, S3), Azure, Docker, GitHub Actions, CI/CD

Tools: Git, GitHub, Postman, IntelliJ IDEA, VS Code, JUnit, Selenium, Jest

PROFESSIONAL EXPERIENCE

Associate Software Engineer | HCLTech Sri Lanka

May 2023 - Present

- Led full-stack Java development using Spring Framework and Spring Boot for enterprise-scale client applications.
- Developed and maintained RESTful APIs enabling seamless integration between distributed systems.
- Designed responsive web applications with Angular and React, improving user experience across platforms.
- Utilized Snowflake for data warehousing and analytics, enhancing data management capabilities.
- Conducted code reviews and mentored junior developers, fostering a collaborative engineering culture.
- Participated in Generative AI seminars and applied GitHub Copilot and Spring AI in development workflows.

Software Engineering Apprentice | HCLTech Sri Lanka

Oct 2022 - May 2023

- Completed structured apprenticeship gaining hands-on experience in Spring Boot and RESTful API development.
- Contributed to multiple software development projects independently and as part of cross-functional teams.
- Collaborated with Subject Matter Experts (SMEs) to integrate specialized domain knowledge into projects.
- Strengthened problem-solving and debugging skills through real-world production-level project experience.

TechBee Trainee | HCLTech Sri Lanka

Feb 2022 - Jul 2022

- Completed intensive 6-month technical training in Java, Spring Framework, Angular, Spring Boot, RESTful APIs, and database management.

- Participated in SME-led workshops and team projects, developing collaboration and agile project management skills.

EDUCATION

BEng (Hons) Software Engineering

Expected Graduation: 2027

Informatics Institute of Technology (IIT), Sri Lanka - *In collaboration with University of Westminster, UK*

Relevant Modules: Software Architecture, Machine Learning & Data Mining, Algorithms, Database Systems, Web Design & Development, Software Development Group Project, Cloud Computing, Cyber Security, Mobile Application Development

KEY PROJECTS

HealthApe - AI-Powered Smart Health Record System

2024 - 2025

Technologies: *Next.js 14, NestJS, TypeScript, PostgreSQL, Prisma, Python, OCR, RAG, AWS EC2, Tailwind CSS*

- Built an AI-powered EMR system using OCR and RAG to automatically extract and organize medical data from documents.
- Implemented AI health assistant with prescription extraction and medication scheduling features.
- Deployed on AWS EC2 - live at thehealthape.com

Genify - LLM Prompt Generation Tool

Jan 2024 - May 2024

Technologies: *Python, React.js, Flask, PEFT, LangChain, Azure, GitHub Actions, CI/CD*

- Fine-tuned Llama2-7b-chat-hf model using the PEFT technique to improve prompt-generation accuracy.
- Built Flask backend and React.js frontend; deployed on Azure with automated CI/CD via GitHub Actions.

EcoMetric - CO2 Emission & Energy Tracker

Jul 2024 - Aug 2024

Technologies: *Spring Boot, Angular, MySQL, REST APIs, Oshi*

- Developed backend module to collect CPU, GPU, and RAM metrics and calculate real-time carbon footprints.
- Built Angular frontend with interactive charts for visualizing energy consumption and environmental impact.

Shirtify - E-Commerce Platform

Jan 2024 - May 2024

Technologies: *React.js, Spring Boot, Spring Security, Spring Data JPA, MySQL, REST API*

- Engineered secure Spring Boot backend with Spring Security and JPA for robust authentication and data handling.
- Built responsive React.js frontend with cart management and streamlined checkout experience.

Air Ticket Reservation System

2023

Technologies: *Spring Boot, Angular, MySQL, REST API, GitHub, CI/CD*

- Built full CRUD REST API with Spring Boot and Angular-based frontend for flight booking management.
- Implemented CI/CD pipeline and user authentication system with role-based access control.

CERTIFICATIONS

- Snowflake SnowPro Core Certification
- Skillsoft Percipio: Generative AI - GitHub Copilot, LLMs, Generative AI
- Skillsoft Percipio: Full Stack Java Developer - Java, Spring Boot, REST, Microservices, DevOps, Agile
- Skillsoft Percipio: Angular Developer - HTML, CSS, JavaScript, Angular 11

- HCLTech Digital Business Capability: GEN AI for Java Developers (In Progress) - Spring AI, OpenAI Integration, Prompt Engineering

ORGANIZATIONS & ACTIVITIES

- Member, Power One Community - HCLTech (2022 - Present)
- Committee Member, AIESEC - IIT Sri Lanka (2022 - Present)

LANGUAGES

- English - Full Professional Proficiency
- Sinhala - Full Professional Proficiency