

THANUJA LAKSHITHA HENNAYAKE

ASSOCIATE SOFTWARE ENGINEER | JAVA | SPRING BOOT | FINTECH SOLUTIONS

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🌐 <https://github.com/ThanuH>

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PROFILE

Associate Software Engineer specializing in backend development with Java, Spring Boot, and MySQL. Experienced in fintech solutions, API design, and system integration. Strong collaborator in Agile teams with a track record of delivering scalable, production-ready software.

TECHNICAL SKILLS

- Languages: Java, JavaScript, HTML, R(intermediate), Python (intermediate)
- Frameworks/Technologies: Spring Boot, JSP, WSO2 Services
- Databases: MySQL, POSTGRES, Oracle
- Tools & Platforms: Git, Postman, Swagger, Agile/Scrum, Git
- Other: RESTful APIs, API Integration, Microservices

PROFESSIONAL EXPERIENCE

Associate Software Engineer

iPay Sri Lanka

Sep 2023 – Present

- Optimized payroll system to handle 10,000+ monthly transactions with retry mechanism.
- Integrated third-party services including SMS gateways, CMS platforms, and payment systems.
- Designed, developed, and maintained backend APIs to support core fintech operations.
- Collaborated with external teams and partners to enable seamless integrations.
- Provided production support, troubleshooting issues and ensuring system stability.
- Conducted research and development, and prepared documentation for implemented solutions.

Software Engineering Intern

iPay Sri Lanka

Aug 2022 – Aug 2023

- Gained hands-on experience with Agile methodologies, participating in sprint activities.
- Contributed as a QA, writing and executing test cases to ensure software quality.
- Performed bug fixing and supported debugging of backend modules.
- Wrote unit tests to improve code reliability and maintainability.
- Assisted in backend development using Java and MySQL, while optimizing queries for performance.
- Provided support for production issues and deployment activities.

Freelance Software Developer

2022 – Present

- Built custom web applications for small businesses using Java, Spring Boot, and MySQL.
- Designed and deployed REST APIs for third-party integrations.
- Developed user interfaces with a focus on usability and responsive design.
- Created graphic designs and visuals to enhance client branding and application presentation.
- Assisted clients with system automation, troubleshooting, and performance optimization.
- Delivered projects independently while maintaining clear communication and client satisfaction.

PROJECTS

Call Management System – (Spring Boot + PostgreSQL + HTML, hosted on Heroku)

- Developed a web solution to visualize stats and details of an AI call agent.
- Implemented backend services using Spring Boot and PostgreSQL, with a responsive frontend.
- Hosted the application on Heroku for easy access and demonstration.

Project Tools – (Vibe Coding, hosted on Vercel)

- Personal project exploring AI capabilities and prompt engineering.
- Built using Vibe Coding, deployed on Vercel, and used for daily productivity tasks.

AdSync – (Spring Boot backend + React TypeScript frontend + Python ML, hosted on Vercel)

- Developed for a university module.
- Implemented age detection of humans using images with a custom ML algorithm written in Python.
- Backend deployed with Spring Boot, frontend with React TS, and ML API hosted on Vercel using FastAPI.
- [Model on Kaggle](#)

Airport Passenger Prediction – (Time Series Analysis, Kaggle)

- University project analyzing monthly air passenger traffic in Sri Lanka.
- Created and published dataset on Kaggle, tested multiple time series forecasting algorithms to determine the best-performing model.
- [Model on Kaggle](#) | [Dataset](#)

EDUCATION

BSc (Hons) Computer Science – University of Westminster (Final Year)

REFERENCE

References available on request