Helitha Praveen

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Personal Profile

Backend engineer with 3+ years of experience developing scalable fintech systems using Java and Spring Boot. Skilled in secure API design, core banking integrations, and production deployments across cloud and on-prem environments. Focused on building reliable backend services, improving engineering quality, and contributing to high-performing teams.

Education

Cardiff Metropolitan University, B.Sc. (Hons) in Software Engineering (Top-Up)	2024 – 2025
Institute of Software Engineering (IJSE), Graduate Diploma in Software Engineering (GDSE)	2021 – 2023

Experience

Software Engineer, PayMedia – Colombo, Sri Lanka — Apr 2025 – Present

- Leading backend development for multiple fintech projects, including a live product integrated with core banking and payment APIs.
- Designed and implemented secure, scalable RESTful APIs for real-time transactions, account management, and fund transfers across partner banks.
- Mentored 10+ junior developers and interns, improving code review turnaround time and reducing recurring bugs through consistent enforcement of clean coding and best practices.
- Configured and maintained Nginx for API hosting, reverse proxying, load balancing, and SSL/TLS certificate management across UAT and production environments.
- Provided technical leadership by driving architectural decisions, coordinating backend tasks, and ensuring 90 – 100% on-time delivery of critical releases.

Associate Software Engineer, PayMedia – Colombo, Sri Lanka — May 2023 – Apr 2025

- Integrated third-party payment gateway (DirectPay IPG) for secure card onboarding and tokenization.
- Implemented DirectPay Biller Switch API integration to enable real-time bill payments using bank accounts and stored cards.
- Deployed Spring Boot applications in multi-tier architectures (web server, application server, and database server) across both cloud and on-premises environments.
- Developed and maintained backend services for digital payment products with integrations to multiple core banking systems.
- Collaborated with mobile and frontend teams to deliver consistent and reliable REST API integrations.

Software Engineer Intern, PayMedia – Colombo, Sri Lanka — Nov 2022 – Apr 2023

- Assisted in developing RESTful services and micro-features for financial applications using Java and Spring Boot.
- Gained hands-on experience in real-world banking and payment application development.
- Collaborated with senior developers in debugging production issues and enhancing performance under supervision.

Technologies

Languages: Java, SQL, Python, Dart

Frameworks & Libraries: Spring Boot, Spring MVC, Spring Security, Hibernate/JPA, JUnit, Flutter, React

Backend & System Skills: REST APIs, SOAP, Microservices, Nginx, Docker, Linux, Git, CI/CD pipelines

Tools & Platforms: Postman, Swagger/OpenAPI, MySQL, PostgreSQL, Jira, GitHub, AWS