

# THUSHAN JAYASUNDARA

## Senior Software Engineer

+94 (71) 34 67 338

@ thushanjayasundara96@gmail.com

<https://www.linkedin.com/in/thushan-jayasundara/>

<https://github.com/thushanJayasundara>

Colombo, Sri Lanka



## WORK EXPERIENCE

### Senior Software Engineer

#### Pearson Lanka

04/2024 - Present Colombo, SL.

Pearson is the world's leading learning company, with over 30,000 employees in more than 70 countries working to help people of all ages to make measurable progress in their lives through learning.

- Upgrading three major **Spring Boot 2. X microservice projects to 3. X**, addressing dependency compatibility issues and resolving test case failures.

### Software Engineer

#### AirRetailer Technology LLC

08/2022 - 03/2024 Dubai, UAE.

"Air-Retailer" is a new generation **IATA NDC** based Corporate Booking Tool and Expense Management System for small, medium and large size Corporate, Travel Management Companies and Airlines that deal with Corporate.

- Implemented a dedicated Interceptor to **log all Requests and Responses** in **AWS S3** Service using an **Asynchronous Pattern**, resulting in a **40%** decrease in response time across **25+ interconnected microservices**.
- Developed and integrated Singapore Airlines service with AR platform using Amadeus **Altéa NDC standard (18.1)** and Aggregator pattern via **SOAP** integration.
- Accelerated **British Airways and American Airlines** integration via Sabre GDS by 25% through developer collaboration.
- Streamlined codebase by implementing a shared common utility module with a Feign-Client, ControllerAdvised etc... **resulting in a 60% reduction in duplicate code, improved code maintainability**, with rapid development time by 30%.
- Initiated a robust QA environment for API testing, leading to a 30% reduction in bug reports and a 20% increase in customer satisfaction ratings.
- Led advanced **Software Design Principles and Architecture, Design Patterns, 12-Factors**, and cutting-edge technologies, resulting in a 40% reduction in code review cycles and a 25% improvement in application performance.

### Software Engineer (L1)

#### People's Bank / Silverlake Axis Sdn. Bhd./ JITRCS

11/2021 - 08/2022 Colombo, SL.

-People's Bank, the second largest commercial bank in Sri Lanka, has a network of 739 local branches and service centers, an asset base of LKR 1.873 trillion (2019), and over 14 million customers.

- Full lifecycle application development (**CR**) expertise.
- Proficient in troubleshooting and debugging complex codebases, ensuring seamless product functionality for **14.5 million users**.
- Maintained systems through active monitoring and prompt resolution of software defects, ensuring smooth functionality and high-quality user experience.
- Deployed **updates, fixes, and releases** for optimal product Operation.
- Managed extensive data retrieval queries and customized **Scriptlets within Jasper reports, resulting in a 40%** improvement in the efficient and accurate generation of complex reports.
- Aligned with the L2 team for issue resolution and demonstrated proficiency in **AS400, Workflow Server, and IHS technologies** for supporting complex enterprise-level applications and systems.

## SUMMARY

- With over 5 years of experience in Java with the Spring Ecosystem,
- I aim to be a dedicated and passionate software engineer and an excellent team player.
- I strive to provide effective solutions to real-world problems based on my experience and work towards becoming a solution architect in my career journey.

## TECH STACK

JAVA	Spring Eco-System		OOP	AOP
JPA	Hibernate	DB2	Oracle DB	
MySQL	MongoDB	Redis		
PostgreSQL	Cassandra	DynamoDB		
HTML	CSS	Thymeleaf	JavaScript	
Unit Testing		Load Testing		
Integration Testing				
REST	SOAP	XML	JSON	
GraphQL				
Elasticsearch		Logstash	Kibana	
Prometheus		Zipkin		
Git	SVN	CVS	GitHub	GitLab
Maven	Ant	Gradle		
AWS S3		Docker	IBM WebSphere	
CI/CD	SDLC	Scrum	JIRA	

## WORK EXPERIENCE

### Associate Software Engineer

#### Techlead International (Pvt) Ltd

📅 01/2020 - 11/2021 📍 Colombo, SL.

Techlead International (PVT) Ltd is a company dedicated to the advancement of Telecommunications solutions.

- Authored the user module with **OAuth2 and Single Sign-On (SSO)** and integrated with **8+ microservices**.
- Enhanced notification service with **Firebase to send push notifications** to customers, increased system transparency by 20%.
- Deployed **OTP functionality with TOTP mechanism** for system login, leading to a 30% enhancement in system security.
- Collaborated for a **KOT System** design and implementation 80%.
- Implementation lending functionalities for **LOLC lending module**.
- Mentoring 80% intern software engineers.

### Software Developer

#### OpenArc System Management (Pvt) Ltd

📅 05/2019 - 01/2020 📍 Colombo, SL.

We are an ISO 9001:2000 and CMMI level 3 quality certified leading software house specializing in Banking, Finance, Securities & ERP software solutions.

- Introduce APIs and **Oracle triggers** to facilitate communication between the SkyBank system and Mercantile Investments and Finance PLC Dot-Net System. This enhancement has resulted in a 60% improvement in communication efficiency with third-party systems within the SkyBank.
- Conducted {25} on-site visits, ensuring comprehensive system understanding by collaborating with client teams.
- Participated in SkyBank's integration with Mercantile Investments and Finance PLC, including **database migration** from Mercantile Investments and Finance PLC to SkyBank.

## PROJECTS

### FREEHAND GRADER

🔗 <https://pmark.pearsoncmg.com/northamerica/educators/features/freehand-grader/index.html>

Freehand Grader is the grading technology in MyLab® and Mastering® that creates an authentic assessment experience for both instructors and students.

- **Java 17, Spring Eco-System 3. X, PostgreSQL, MongoDB, AWS**

### AIRRETAILER

🔗 <https://airretailer.com/>

AirRetailer is IATA's NDC-backed corporate retailing experience that offers a tailor-made, innovative, value-added global inventory for TMCs and Corporate Bookings.

- **Java 11, Spring Eco-System, Keyclock, MongoDB, PostgreSQL, AWS, AWS S3, Docker, Jenkins, Microservice,**

### PEOPLE'S BANK

🔗 <https://www.peoplesbank.lk/>

People's Bank PLC is a state-owned commercial bank in Sri Lanka and has an asset base of LKR 1.873 trillion (2019) with over 14 million customers. (70% local customers) People's Bank received a high national long-term Rating of AA+ by Fitch Ratings.

- **Java 7, IBM WebSphere, JSP, Maven, AS400, DB2, Spring MVC, JasperReports**

## EDUCATION

### Computer Science B.Sc. (Hons)

#### University of Gloucestershire

📅 02/2021 - 03/2022

- CAT's: 120 | Second Class Honours 1st Division

### OTHM UK Diploma in Information Technology (Level 5)

#### IDM Colombo Campus

📅 02/2021 - 01/2023

### Higher National Diploma in Information Technology.

#### Sri Lanka Institute of Advanced Technological Education.

📅 05/2017 - 11/2019

### Level 2 Dip in Engineering - Electrical & Electronic Technology

#### City and Guilds of London Institute

📅 10/2014 - 10/2015

## VOLUNTEERING

### Project Coordinator

Assisting Final-Year University Students in Achieving Timely Completion and Successful Outcomes through Cutting-Edge Technologies.

## CERTIFICATION

### Java Memory Management: Garbage Collection, JVM Tuning, and Spotting Memory Leaks

<https://www.linkedin.com/in/thushan-jayasundara/details/certifications/>

### Microservices: Design Patterns (2020)

### Java: Advanced Concepts for High-Performance Development

### Parallel and Concurrent Programming with Java 1

### Parallel and Concurrent Programming with Java 2

### Docker for Developers

### Java: Advanced Concepts for High Performance Development

### Java Object-Oriented Programming

### Java Refactoring Best Practices