Thushan Jayasundara

Senior Software Engineer

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• https://github.com/thushanJayasundara • Myyrmäki,Vantaa, Finland

PROFILE

Results-driven software engineer with over 6 years of backend development experience in multicultural environments, currently based in Finland and seeking long-term opportunities aligned with modern tech stacks and Nordic work culture.

- **Well-experienced in designing and integrating scalable backend systems using the Spring ecosystem, combined with hands-on experience in deploying and managing infrastructure on AWS.**
- **A dedicated and passionate team player, focused on clean code, system optimization, and performance.**
- **Committed to solving real-world problems and growing toward a future role as a Software Architect.**
- **Passionate about delivering results with full ownership and perseverance, I'm driven to see tasks through to completion and continually seek ways to improve both system performance and team collaboration.**
- **Finally, enjoys crafting solutions with a cup of coffee and Lofi beats, balancing precision with creativity.**

TECHNICAL AND SOFT SKILLS

Programming and Frameworks: JAVA 11/17/21 · Spring Boot Eco System · AOP · OOP · React

Databases & Persistence: JPA · Hibernate · DB2 · Oracle DB · MySQL · MongoDB · Redis · PostgreSQL · Cassandra · DynamoDB

Testing & Quality Assurance: Unit Testing · Integration Testing · Load Testing

API & Communication: REST · SOAP · XML · JSON · GraphQL

Monitoring & Logging: ELK-Stack · Prometheus · Zipkin · Grafana

Version Control & Collaboration: Git · SVN · CVS · GitHub · GitLab

Software Architecture & Best Practices: Microservices · Monolithic · Design Patterns · 12-Factors · DRY · KISS · YAGNI

Project Management & Methodologies: SDLC · Scrum · JIRA

Cloud & DevOps : AWS · Docker · IBM WebSphere · GitHub Actions · Jenkins

Cybersecurity: Ethical Hacking (Practical Skill) · Penetration Tester

Soft Skills:
Collaboration · Problem-Solving · Cross-Cultural Communication · Continuous Learning · Proactivity · Attention to Detail · Time Management

WORK EXPERIENCE

Pearson Lanka	Colombo, SL.
Senior Software Engineer	05/2024 - 04/2025

"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.

- Revamped **9+** core microservices by **migrating from Spring Boot 2.x to 3.x,** which harnessed advanced features to accelerate system performance by 10%, exceeding initial projections.
- Utilized **AWS CloudWatch** to **trace and resolve root-cause issues in production**, while mentoring junior developers on observability and issue resolution.
- Orchestrated the migration of **Amazon Aurora MySQL** from versions **2.x to 3.x (MySQL 5.7 to 8.0) across 15+ microservices** via **CloudFormation,** achieving zero downtime and full backward compatibility.
- Updated and maintained the **Autobahn Schema and SDK across multiple microservices,** ensuring consistent data structures and enhancing real-time communication.
- Led rapid deployment of a critical **auth library update across 8+ microservices in 5 days,** minimizing security risks.
- Leveraged the Snyk vulnerability scanning tool to identify and **remediate project dependency vulnerabilities,** achieving an 80% reduction in security risks.

WORK EXPERIENCE

AirRetailer Technology LLC
Dubai, UAE.

Software Engineer
08/2022 - 03/2024

"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.

- Engineered an **asynchronous dedicated interceptor to log all requests and responses** in the AWS S3 service, achieving a 40% reduction in response times across **25+ interconnected microservices**.
- Developed and integrated the **Singapore Airlines service with the AR platform** by leveraging the **Amadeus Altéa NDC Standard (18.1)** and implementing an **Aggregator pattern via SOAP integration.**
- Accelerated the integration of **British Airways and American Airlines** with Sabre GDS by 25% through strategic developer collaboration.
- Developed a shared utility module with Feign Client and ControllerAdvicer **reducing duplicate code by 60%** and **accelerating development by 30%.**
- Led the adoption of advanced **software design principles**, **architecture patterns**, and **12-Factor** methodology, **reducing code review cycles by 40%** and **enhancing application performance by 25%.**
- Implemented standardized auditing across **25+ microservices using Spring Auditing with Hibernate,** resulting in a **10%** increase in API response latency.

People's Bank / Silverlake Axis Sdn. Bhd./ JITRCS
Colombo, SL.

Software Engineer (L1)
11/2021 - 08/2022

"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.

- Adept at **troubleshooting and debugging complex codebases,** ensuring seamless product functionality for a user base of **14.5 million.**
- Maintained systems by **actively monitoring performance** and swiftly resolving software defects, ensuring seamless functionality and a high-quality user experience.
- **Deployed updates, fixes, and releases** to optimize product performance and ensure seamless operation.
- Managed complex data retrieval queries and customized **scriptlets within Jasper Reports,** improving the efficiency and accuracy of **report generation by 40%.**

Techlead International (Pvt) Ltd
Colombo, SL.

Associate Software Engineer
01/2020 - 11/2021

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

- Developed the user module incorporating **OAuth2 and Single Sign-On (SSO),** seamlessly integrating it with o**ver 8+ microservices to enhance authentication and security.**
- Enhanced the notification service by integrating **Firebase to deliver push notifications** to customers, boosting system transparency by 20%.

OpenArc System Management (Pvt) Ltd
Colombo, SL.

Software Developer
05/2019 - 01/2020

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

- Integrate system and improve data flow efficiency by **30%** by developing APIs and database triggers at Mercantile Investments and Finance PLC.

EDUCATION

Metropolia University of Applied Sciences
Helsinki, Finland

MSc in Information Technology (Pursuing)
04/2025 - 11/2026

University of Gloucestershire
Colombo, Sri Lanka

B.Sc. Computing
02/2021 - 03/2022

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

IDM Colombo Campus
Colombo, Sri Lanka

OTHM UK Diploma in Information Technology
02/2021 - 01/2023

Sri Lanka Institute of Advanced Technological Education.
Gampaha, Sri Lanka

Higher National Diploma in Information Technology.
05/2017 - 11/2019

City and Guilds of London Institute
Gampaha, Sri Lanka

Diploma in Engineering - Electrical & Electronic Technology
10/2014 - 10/2015