Shenal Perera

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SKILLS

Back End | Java • Spring Boot • Express • NodeJS

Front end | Angular • React

Database | OracleDB • PostgreSQL • MySQL

Miscellaneous | Docker • Kubernetes • Jenkins • Kafka • gRPC

EXPERIENCE

ISA | Software Engineer   *Jan 2024 - Present*

Revamping the DCS System for Modernization

- Migrated the legacy Java Spring & Struts session-based application to a RESTful API architecture.
- Upgraded the system from an older Java version to Java 17 and transitioned to Spring Boot for better maintainability and performance.
- Implemented gRPC-based services to enhance inter-service communication ensuring faster and more efficient data exchange.

Multi-Tenant Architecture in the DCS

- Designed and implemented multi-tenancy supportallowing different airlines to operate within the same system while keeping their data isolated.
- Introduced tenant-based configurationsenabling airline-specific customizations without modifying core application logic.
- Optimized database structure for scalability and data separationensuring smooth onboarding of new clients.

Avtra | Software Engineer Intern   *Dec 2022 - May 2023*

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EDUCATION

University Of Peradeniya   *Dec 2022 - May 2023*

B.Sc. Engineering (Hons) in Computer Engineering

GPA: 3.61 / 4.00

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Distributed Systems