

LAHIRU RUHUNAGE

Senior IT Consultant

Work Authorization: US Permanent Resident (Green Card)

Vernon, CT 06066

(860) 209-9833 arlahiru@gmail.com linkedin.com/in/arlahiru github.com/arlahiru www.d9hub.com

IT Professional with 12+ years of experience in Enterprise Application Development across Energy, Healthcare, and Supply chain domains. Skilled in Java, Spring Boot, Microservices, Cloud platforms (AWS, Azure) & Agile framework. Experienced in designing scalable systems, leading teams, and delivering high-performance solutions.

WORK EXPERIENCE

ISO New England, United States

09/2025 - Present

Senior IT Consultant

- Design, develop, and support large-scale web applications for wholesale electricity markets at ISO New England.
- Build solutions using Java 17 & 21, SpringBoot 3.5 & 4.0, JSP/Thymeleaf, JavaScript, JPA/Hibernate, Oracle DB and AWS.
- Leverage AI-assisted development using GitHub Copilot and Amazon Q to improve productivity and code quality.
- Utilize tools such as Git/Bitbucket, Jenkins, JBoss/Tomcat, SonarQube, Veracode, Dynatrace, and Linux scripts, code quality, and monitoring.
- **Key Achievements:** Successfully led multiple modernization initiatives that reduced technical debt, improved system performance, and enabled cloud-ready, scalable architecture adoption.

Infosys, United States

02/2024 - 09/2025

Technology Lead

- Playing a technical lead role in Helix/QNXT Team at Fortune 500 Healthcare Client, contributing to the development and enhancement of the platform.
- Utilize Java 17, Spring Boot, Angular, CSS/HTML, JPA/ Hibernate, PostgreSQL, Kafka and CQRS pattern to design, implement and maintain scalable backend solutions that power the Helix (Medicaid/Medicare) & QNXT adapter.
- Troubleshoot and resolve technical issues, playing a key role in maintaining high system availability and performance.
- **Key Achievements:** Reduced claim processing time by identifying production issues and implementing targeted code fixes, improving system efficiency and turnaround time.

Infor Nexus, Sri Lanka & United States

04/2014 - 10/2023

Senior Principal Software Engineer

- Led a team of 8 software engineers in developing a new partner onboarding application for the Infor platform.
- Designed scalable solutions using Java, Spring Boot, Microservices, REST APIs, JPA/Hibernate, and AWS.
- Worked with technologies including J2EE, React, JSP, DB2, JMS, ETL, and CI/CD pipelines (Jenkins, Gradle).
- Collaborated with product managers to translate requirements into technical solutions.
- Resolved complex production issues to ensure system stability and high availability.
- Mentored junior engineers and promoted coding best practices through code reviews.
- Contributed to Agile ceremonies including sprint planning, backlog grooming, and daily stand-ups.
- **Key Achievements:** Successfully led the implementation of a program designer and partner dedupe process that streamlined customer provisioning, resulting in a 40% reduction in customer setup time.

Providence Network & Solutions, Sri Lanka

06/2012 - 04/2014

Software Engineer

- Contributed to the development and enhancement of the E-Channelling platform using Java, Spring, Hibernate, MySQL, and JBoss, while ensuring high system performance and availability through effective troubleshooting and maintenance.

Mphasis, Sri Lanka

04/2011 - 06/2012

Associate Software Engineer

- Developed J2EE applications for insurance and telecom, improving workflows and user experience.

PROJECTS

ISO New England - Settlement Market System & Market Information System

<https://www.iso-ne.com/markets-operations/settlements>

- Migrated legacy Java Swing and EJB-based SMS application to a modern Spring Boot 3.5 modular architecture.
- Upgraded BITT app to Spring Boot 2.1 to 4.0 and Java 11 to 21 while modernizing and stabilizing enterprise applications.
- Migrated on-premises MIS FTP application to AWS cloud using S3, OpenSearch, and Infrastructure as Code (Terraform).
- Transitioned legacy system to cloud-native AWS architecture to improve scalability, performance, and maintainability.
- Technologies: Java 17/21, Spring Boot, Active MQ, JUnit/Mockito, Oracle DB, Docker, AWS, Maven, Git, Terraform/Scala

Infosys - Helix Health Care Platform

<https://www.infosys.com/products-and-platforms/helix.html>

- Implement micro & macro services, adapters, Kafka events to sync data between Helix core platform and QNXT environment. Troubleshoot production issues in Helix core platform and QNXT environments.
- Technologies: Java 17, Spring Boot, Angular, Microservices, Kafka, Keycloak, PostgreSQL, Docker, Kubernetes, Azure, Maven, Git, Jenkins CI/CD, Postman

Infor Nexus - Network Onboarding Platform & API

<https://www.infor.com/solutions/scm/infor-nexus>

- Multi-tenant cloud app designed to onboard new customers/partners to the Infor Nexus network.
- Implement workflow driven business logics backed with message broker to enhance application features.
- Refactor program designer and provisioning center modules to improve performance bottlenecks and code reusability.
- Technologies: Java 8, Stream API, Collections, J2EE, JBoss, JPA/Hibernate, IBM DB2, Workflow Engine, JMS, Apache Active MQ, JAX-RS, JSON, Swagger, Flyway Migration, Gradle, Git, Memcached, Splunk, Jenkins CI/CD Pipeline, AWS

SKILLS

Programming and Frameworks: Java 8/17, Python, Java EE, Spring Boot, Microservices, Kafka, Apache ActiveMQ, Workflows, Spring Boot, Spring MVC, Spring Data, Spring Security, Spring Cloud, Spring Batch, RESTful APIs, Web Services, JPA, Hibernate, JDBC, JBoss, Tomcat, Memcached, Flyway Migration, ETL, Docker, Kubernetes, Git, GitHub, AWS, Jenkins CI/CD Pipeline, Agile Development, Scrum, Kanban, Troubleshooting

Databases: SQL, IBM DB2, Aqua Studio, DBeaver, MS SQL Server, MySQL, MySQL Workbench, PostgreSQL, pgAdmin, Elasticsearch, Oracle DB, PL/SQL Developer

Tools and IDEs: Eclipse, IntelliJ IDEA, Spring Tool Suite, Visual Studio Code, Maven, Gradle, Log4j, Splunk, JIRA, Fisheye, Confluence, Swagger

Programming Concepts: Object-Oriented Programming (OOP), Design Patterns, SOLID Principles, Dependency Injection, Inversion of Control (IoC), Test-Driven Development (TDD), CQRS

Testing: JUnit, Mockito, Selenium, Postman

Frontend: HTML, CSS, JavaScript, jQuery, Bootstrap, React

Soft Skills: Team Collaboration, Problem Solving, Analytical Skills, Multi-task, Communication, Leadership

EDUCATION

University of Colombo (UCSC)

2014 - 2015

Master of Computer Science

Sri Lanka Institute of Information Technology

2007 - 2010

BSc (Hons), Information Technology (First Class - GPA 3.68)

CERTIFICATIONS

Oracle Certified Professional Java Web Component Developer Examination (OCP)

Sun Certified Java Programmer Examination (SCJP)

Reading AWS Certified Solutions Architect - Associate