

CHAMIKA JAYATHILAKA

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SUMMARY

Software Engineer with 5+ years of industry experience in developing and maintaining scalable software systems. Proficient in full-stack development with expertise in JavaScript, React, Java, and Spring Boot. Strong background in Agile methodologies, cloud platforms (AWS), and CI/CD pipelines. Experienced in working collaboratively with both onshore and offshore teams to deliver high-quality software solutions aligned with business goals. Currently contributing to the warehouse management system of the world's largest food distributor. A dedicated and hard-working individual with a passion for continuous learning, always exploring new technologies to expand my skill set and add greater value to the organization.

TECHNICAL SKILLS

Java | SpringBoot | JavaScript | React | SQL | PLSQL | Kafka | NodeJs | Jenkins | Docker | AWS | Linux | Terraform
Datadog | Firebase | Tailwind CSS

WORK EXPERIENCE

Sysco Labs | Colombo, Sri Lanka.

Associate Technical Lead, Sysco Labs | Colombo, Sri Lanka.

2024 August - Present

- Worked with the USA and UK teams to develop new features in both microservices and the frontend application.
- Creating new AWS infrastructure to support European region expansion.
- Fixing distributed tracing on existing Java components.
- Handling production deployments with no downtime.
- Assist other sub-teams in resolving infrastructure issues and provide guidance on domain-related questions during feature development.
- Onsite hypercare production support to newly started warehouse in UK.

Senior Software Engineer, Sysco Labs | Colombo, Sri Lanka.

2022 August - 2024 August

- Worked on both warehouse management system modernization project and existing warehouse management application project.
- Implementing new features in the legacy app, modernized app, and mobile backend that support Android and Windows mobile devices including unit tests, integration tests, and automation tests.
- Keeping the Java components that support the main application up to date by addressing the production bugs, upgrading the Springboot libraries, implementing new features, testing them, and deploying them on the AWS.
- Improving the quality of the QA automation suit by implementing reusable data creation classes and improving the stability of the test cases.
- Worked on DevOps tasks like moving old Concourse jobs to Jenkins and updating terraform scripts.
- Integrating HashiCorp Vault, a secret management system into the existing application to improve the application security.
- Providing Level 3 support for the day-to-day operations and Hypercare support to the production deployment when needed.

Software Engineer, Sysco Labs | Colombo, Sri Lanka.

2021 March - 2022 July

- Worked on the warehouse data transfer project and warehouse management system modernization project
- Kafka integration to the warehouse data transfer project.
- API implementation to connect warehouse databases and Kafka consumers and producers.
- Performance testing with JMeter and optimizing the application
- Integrating Datadog to the application to monitor application performance and logs.
- Developed an email notification system to notify the failures in the production environment.
- Implemented API endpoints to manipulate the Kafka message queue offset.
- Implementing automation suit to test data syncing through Kafka queues.
- Implementing features on the modernization project by gathering the requirements from the legacy codebase

Zeno Innovations | Colombo, Sri Lanka.

Software Engineer Intern, Sysco Labs | Colombo, Sri Lanka.

2019 August - 2020 February

EDUCATION

Sri Lanka Institute of Information Technology

2017 February - 2021 February

B. Sc. (Hons) in Information Technology Specializing in Software Engineering

COMMERCIAL PROJECTS

Warehouse Data Transfer System

The solution implemented to sync order data between warehouses databases using Kafka message queues

Technologies - Java SpringBoot , Apache Kafka , Oracle SQL,

Warehouse Management System Modernization

Modernizing the existing warehouse management desktop application written in oracle forms and PL/SQL to a SpringBoot and React Web application

Technologies - Java SpringBoot , React, Oracle SQL

Warehouse mobile app backend

Back-end application supporting multiple mobile apps (Android and Windows Mobile) used on warehouse handheld devices, providing both REST and SOAP endpoints

Technologies - Java SpringBoot , Oracle SQL

Labour Microservice

Microservice developed to handle labour task-related functionalities in the warehouse. It was built using domain-driven architecture and is invoked by both the mobile and main application backends.

Technologies - Java SpringBoot , Oracle SQL

PERSONAL PROJECTS

Print shop manager

This a project created to handle the day today operations of a medium scale printshop.

Technologies - React, NodeJs, Firebase

Demo Micro Service

A microservice system developed to demonstrate essential features of a microservice system with SpringBoot. This includes several microservices that talk to each other to fulfill a request.

Technologies - SpringBoot, RabbitMQ

Zigmatron Blog

Traditional blog implemented with all the required features for a blog including admin dashboard. User can customize the blog to be in dark or light theme according to the preference

Technologies - React, NodeJs, Firebase, MongoDB

iZigma Blockchain

This is an Javascript library that can be downloaded from the npm package manager and used to implement a single node of a blockchain.

Technologies - NodeJs

NPM package - <https://www.npmjs.com/package/izigma-blockchain>

PUBLICATIONS

“iSAY”: Blockchain-based Intelligent Polling System for Legislative Assistance

International Journal of Advanced Computer Science and Applications - 2021 January

https://www.researchgate.net/publication/348966050_iSAY_Blockchain-based_Intelligent_Polling_System_for_Legislative_Assistance

EXTRA CURRICULAR

- SLIIT Mini Hackathon 2018 - Reached top 7 stage with the team
- HackX 2018 – Hackathon organized by University of Kelaniya, Reached the final 15 with the team.
- SLIIT Game Fest -2019 - Runner Up in FIFA 19
- SLIIT Bash Cricket Tournament - Reached Semi-Final
- SLIIT Futsal Tournament - Reached Semi-Final stage
- Member of the School Cricket team - Played from U13 to U17
- Plays cricket for Sivali CC (Division III) and for SyscoLabs