

SIVARAM RASATHURAI

Backend Developer

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Jaffna, Sri Lanka

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SUMMARY

Experienced Java Developer with proficiency in Java, Spring, Kafka, and AWS. Skilled in designing high-performance software solutions for enterprise architectures and microservices. Demonstrates strong problem-solving abilities and a commitment to continuous learning and innovation.

EXPERIENCE

Technical Lead (Part-Time)

NextGen Innovations

Dec 2023 – Dec 2024

Jaffna, LK

- Led the **architectural design** of an Uber-like system using microservices and event-driven architecture.
- Utilized a stack of advanced technologies, including RDS, Redis, MongoDB, Java, Spring, Kafka, AWS, Node.js, and Python, along with protocols such as REST, WebSockets, and Kafka communication, to build a robust and high-performance platform.
- Collaborated cross-functionally to align technical decisions with business objectives.

Associate Technical Lead

Sysco LABS

Aug 2024 – Ongoing

Colmobo, LK

- Managed seamless communication for streaming data with schema changes across multiple services.
- Optimized pricing API by analyzing and implementing Java virtual threads, reducing response times.
- Managed and maintained the B2B Order processing system.
- Designed and implemented a decoupled SFTP file management system.
- Extracted a common component to minimize SFTP connections across services.
- Developed a solution leveraging SQS and a dedicated deletion service for efficient file operations.

Senior Software Engineer

Sysco LABS

Aug 2022 – Aug 2024

Colmobo, LK

- Designed and implemented a comprehensive system for real-time updates on products, customers, orders, and invoices, leveraging AWS ECS, Lambda, SQS, SFTP, Confluent Kafka, NodeTS, Spring, Serverless Framework, and Datadog.
- Redesigned and optimized critical services, reducing memory consumption and complexity.
- Designed and developed a scalable and decoupled bulk application to extract historical data from an external system and store it in S3 using a microservices architecture.
- Utilized Testcontainers for integration testing, streamlining unit, integration, and load testing with automation tools.

SKILLS

Java

Python

TypeScript

MongoDB

PostgreSQL

Redis

Spring

Spring Boot

JPA

JUnit

Testcontainers

Mockito

Node

Flask

Git

Aws

Datadog

Gradle

Maven

Kafka

MQ

SFTP

REST

Websockets

EDUCATION

BSc (Hons) Computer Science and Engineering

University of Moratuwa

Jan 2016 - Feb @2021

Moratuwa, LK

- GPA 3.55 out of 4.2
- Developed Quality Checker API which assesses image quality before OCR processing.
- Dean List in Semester 4
- A for Research and Development project

AWARDS

Unit Level Hall of Fame

Sysco LABS - USFS Unit

11 September 2023

Colombo, LK

- Recognized as part of a team for outstanding performance and exceptional contributions to project success.

Software Engineer

Sysco LABS

📅 Feb 2021 – Aug 2022

📍 Colmobo, LK

- Developed a customer onboarding application using React and Spring Boot. Contributed significantly to the backend with Java and Spring, and worked on all major components: front-end, BFF, and back-end.
- Developed backend middleware for shop applications, including order processing and customer information feeds.
- Built an event streaming middleware application to process orders using Kafka and IBM MQ.
- Created a disaster recovery application for order processing, ensuring robustness against external failures.

Software Engineer Intern

Sysco LABS

📅 June 2019 – Dec 2019

📍 Colombo, LK

- Developed a proxy API that exposed labour data for third-party POS integrators, using technologies such as Sprint Boot and Spring Webflux, Java 11, AWS SDK, JUnit, Mockito, WireMock, and RestAssured.
- Analyzed TyK and Kong Gateways based on key factors such as rate limiting, custom plugins, transformation, and monitoring.

REFEREES

Pasan Sumanaratne (Associate Technical Lead)

@ Sysco LABS, SriLanka

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+94 77 638 3151

Pranavan Nadarajah (CEO)

@ NextGen Innovations

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VOLUNTEERING

Stackoverflow Contributor

Stackoverflow

📅 2019 - Present

- Accumulated over 6000+ reputation points on StackOverflow, demonstrating a strong knowledge of programming concepts and active participation in the developer community.
- Earned a reputation of 120+ in Java and 100+ in Python on Stack Overflow, demonstrating expertise and active participation in the community.

Technical Writer

Medium

📅 2019 - Present

Built a following of over 1000+ readers/followers on Medium through high-quality technical articles on Java and computer science-related topics.

Contributed to the community by sharing technical knowledge and insights in the field of computer science through articles.

Open Source Projects

Github

📅 2015 - Present

Contributed to an open-source project on GitHub by creating an effective Kafka consumer that retrieves only specific offset messages from Kafka topics. This Kafka consumer is useful for testing messages and retrieving specific offset messages when needed.

Null-Util project helps Java developers handle null values in a more efficient and readable way

Contributed to the tyk-pump project to fix an elastic search alias issue.