

SRICHARAN RAMASAMY

SOFTWARE ENGINEER

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Halifax, Canada



Programming Languages

Golang
Java
Python
Scala

Frameworks and Libraries

Backend Frameworks

Spring MVC, Spring Boot,
Hibernate, gRPC

Databases

MongoDB, MySQL, PostgreSQL,
Elasticsearch

Tools

Apache Kafka, Prometheus,
Grafana, Rancher, Jenkins

Quality Assurance

Sonarqube, K6, Checkmarx

Version Control

Github, Gitlab, IBM Clearcase

Containerization

Docker, Kubernetes, Helm

Web Technologies

Angular, HTML, CSS,

Cloud Technologies

Amazon Web Services,
Microsoft Azure

Education

Master of Applied Computer Science

Dalhousie University.
3.7/4.3

Bachelor of Information Technology

Anna University
8.07/10

WORK EXPERIENCE

Backend Developer - MusicWorks

Gracenote | October 2020 - Present

- Developed microservices that performs data aggregation, cleanup, and transformation using golang
- Setup Lambda functions to trigger during an event in S3 buckets to perform ingestion into Kafka
- Involved in setting up a PostgreSQL database to store the data and then expose it to the REST API

Backend Developer - Sports

Gracenote | May 2019 - September 2020

Halifax, Canada

- Maintained data streaming applications using Kafka and Java to produce data to the Gracenote API, business logic are applied to the data as required by the product team and clients
- Setup Debezium SQL server connectors deployed through Helm charts in AWS, this lead to reduced infrastructure expenses
- Adhered to Quality engineering best practices setting up Sonarqube and Checkmarx which reduced code quality issues and security concerns
- Worked closely with MongoDB containing millions of records, provided support for the product team by producing Mongo aggregate queries to resolve customer inquiries
- Developed and maintained internal libraries using various languages including Golang, Java, Python, and Scala. Deployed their artifacts using JFrog artifactory
- Setup Gitlab CI/CD for each repository including code quality jobs

Co-op Developer - Sports

Gracenote | January 2019 - April 2019

Halifax, Canada

- Developed multi-threaded applications using Java and Python to track down data inconsistencies within the sports API, which reduced the duplicates by 90%
- Containerized multiple applications using Docker and Kubernetes and also setup multiple cronjobs in AWS for data processing
- Hands-on experience with Data monitoring systems like Prometheus and Grafana, adding dashboards and alerts to get the clear visibility of applications

Programmer Analyst - Insurance

Cognizant Technologies | May 2016 - November 2017

Cognizant
Chennai, India

- Developed web applications for a multi-line insurance company using Spring, Struts, and Hibernate frameworks
- Played an active role in Requirement gathering, design, module development, and unit testing using JUnit
- Demonstrated the shortcomings of struts to the management and introduced Spring frameworks, which was accepted and implemented into the project reducing client bug reports
- Reduced time complexities of applications using necessary data structures to provide faster, reliable API to the front end team

Developer - Intern

Cognizant Technologies | February 2016 - April 2016

Chennai, India

- Developed a prototype of an e-Medical application using Java, Spring framework,