Ramji Sridaran

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PROFESSIONAL SUMMARY

Ambitious developer with a good skillset and experience in Cloud (AWS & Snowflake), IoT Implementation, Message queueing systems, Java web API application development using Spring Boot in Big-data ecosystem. Interested to take up challenging roles and capable of learning and improving the existing system. Capable of leading and working with team as well as individually with a desire to achieve self-satisfaction.

KEY SKILLS

Programming Languages	: JAVA & less in Python, JavaScript, Shell Scripts, SQL
OS	: Mac & Linux
Databases	: MS SQL, PostgreSQL & Snowflake
Database Version control	: Liquibase
Code Version Control	: GIT & Bit-Bucket
Logging tool	: Splunk
Monitoring tool	: Dynatrace & Datadog
Servers	: Tomcat & Wildfly
Build Tool	: Maven
Frameworks	: Spring Boot
IoT Queueing Tools	: eMqttd, Mosquitto & PAHO
Code Analysis	: SonarQube, Checkstyle, PMD & Spotbugs
Tracking Tool	: JIRA
Methodologies	: Agile & Waterfall
Cloud	: AWS services, Snowflake & Client Native Clouds

EDUCATION

- **2013 - BACHELOR IN INFORMATION TECHNOLOGY - 84%**
  M.Kumarasamy College of Engineering, Karur, Tamil Nadu, India - 639113
- **2009 - XII STANDARD - 86%**
  Jaycees Matriculation Higher Secondary School, Erode, Tamil Nadu, India - 638002
- **2007 - X STANDARD - 84%**
  Jaycees Matriculation Higher Secondary School, Erode, Tamil Nadu, India - 638002

EMPLOYMENT

DENTSU GLOBAL SERVICES	- June 2021 to Present day
COGNIZANT TECHNOLOGY SOLUTIONS	- May 2018 to May 2021
TATA CONSULTANCY SERVICES	- Feb 2014 to May 2018

CERTIFICATIONS & TRAININGS

Certifications:
SnowPro Associate: Platform Certification - July 2025
Information Technology Infrastructure Library - May 2015
Oracle Certified Professional Java Se6 Programmer - November 2013
Diploma in Computer Applications - May 2007

Mentorship:
- Mentored new hires from college on Java and evaluating assessments
- Had conducted hands on training for the freshers on IOT tools MQTT & Kafka
- Served as a placement trainer post-graduation, coaching 200+ students in technical and aptitude skills, contributing to improved campus recruitment success rates before joining Tata Consultancy Services

ROLES & RESPONSIBILTIES

ROLE: TECH-LEAD - JAVA/AWS

Large scale application development which is part of the product used in the advertising domain hosted on AWS and data hosted on Snowflake. Leading a team of 5 members, managing the feature development activities with automated continuous integration and deployment strategies using Jenkins and Kubernetes.

Databridge application
A core data integration component enabling seamless data exchange with the Merkury system, responsible for ingesting client data and publishing targeted audience segments to multiple social media platforms.
- Designed and maintained AWS Simple Work-Flows to process large-scale client datasets and deliver audience segments to publishing platforms with high accuracy.
- Integrated and synchronized multiple social media platforms (e.g., Facebook, Google Ads, LinkedIn) with SDK version upgrades, ensuring compatibility and reducing downtime.
- Onboarded new publishing platforms and advertisers, increasing reach and support.
- Engineered support for new data types, improving ingestion flexibility.
- Built REST APIs to enable new feature rollouts, accelerating development cycles and cross-platform interoperability.
- Led version & feature upgrade initiatives, implementing enhancements and performance optimizations that improved data processing efficiency.
- Improved file processing flows to handle diverse datatypes, reducing processing time and error rates.

Environment: Snowflake, AWS, Liquibase, Airflow

ROLE: JAVA BIG-DATA DEVELOPER

Migration of projects from Mainframe systems to cloud using AGILE methodology & monitoring the day-to-day production jobs.

MF2C – FinServ
Setting up data channels using Kafka with Spring Boot services to produce data files that are required for the day-to-day financial services of the client in both Azure & Client Native Cloud Platforms.

- Was involved in analyzing the requirements for the projects and documenting on Confluence
- Owned designing database tables and creation of versioning using Liquibase
- Created Spring Boot REST APIs and schedulers
- Utility creation for comparing the data quality between Mainframe and cloud generated files
- Maintaining code coverage of above 80% on each commit
- Developing projects for automated suites for testing the application
- Setting up clusters on the Azure & Client owned cloud
- Performing end to end testing for data quality checks
- Code reviews, walkthrough & demos for the client after each sprint

Environment: Maven, Azure, Liquibase, Apache Kafka, Kubernetes, Splunk, Dynatrace, SonarQube

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ROLE: BIG-DATA DEVELOPER

Big-data solution to migrate data from legacy systems and to provide insights and perform analytics on the ways to improve the business

Insights – Dental
Moving data from legacy systems into Big-data ecosystem using ecosystem tools and periodically synchronizing the data from RDBMS systems through change data files received through Informatica tool.
- Analysis on the requirements provided and making of design documents
- Product development as per requirements, schedules & activities, contributing to team meetings, handling troubleshooting, development & production problems across multiple environment/ operating platforms
- Working with onsite to track status & issues in offshore development mode, conducting reviews of codes & test cases and analyzing change requests/enhancements
- Coordinated with the QA team to make the project move on with good quality
- Provided the post production support as well as coordinated with the productions management team to manage various blockers
- Maintained the Risk assessments for the project as well as taken care some of the management activities like estimations, code audits, process audits, business continuity managements, etc.,
- Developing scala-spark program to merge several tables and load data into Apache Solr and Hbase
- Developed & automated shell script based data loads for the QA test team perspective requirements to sqoop and load data through spark jobs

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BAU/Platform
Analyzing performance and issues reported by the clients & end users related to production environment and providing enhancements
- Structuring of data and inclusion of fields and columns as required by API for faster search through Apache Solr and HBase
- Enhancing the code for faster processing like creating HFiles for data bulk loading into Hbase after a certain limit instead of loading data from Hbase put method, modifying the sqoop split by conditions to fasten up the Sqoop process
- Working with the QA Team on the defects they rise, clarifying their doubt and providing the solutions to the various unhandled defects and closing them on time
- Involved in meetings to understand search requirements from the front end application used by customer support executives to assist details on the policies

- Coordinating with different applications across a product line to get the data's in the expected format which can be loaded into the Big Data
- As a part of implementation support, creating implementation plan documents, reviewing with across applications for coordinating the production releases
- Reviews, Walk through with the clients and Bug Fixing

Environment: Apache Spark, Sqoop, Hbase, Lucene Solr, Eclipse, Maven, Bitbucket, Bamboo

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ROLE: INTERNET OF THINGS – JAVA/BIG-DATA DEVELOPER

An Internet of Things (IoT) solution to bring the smart building capability in Intel offices. The various sensor parameters will be monitored and analyzed by building managers to visualize information and make fast and precise decisions.

Remote Chiller Monitoring System
We have monitored various chiller parameters in real time installed in different location. After analyzing this data, we have derived useful insights and this helped in reducing the energy consumption and faster recovery.
- Implemented spark streaming workflow that fetches data from apache Kafka which is in turn receives sensor data from MQTT broker (Mosquito)
- As a big data developer, I was responsible for developing scala-spark program to calculate various details like aggregation averages that are executed in batches
- Creating Restful Web Service API for data acquisition and for consumption layer
- Involved in design and customization of the application UI
- Attend meetings and calls to understand the requirement thoroughly and developing code for the new requirements
- As a part of implementation support, coordinated with site engineers and managed cluster with multiple nodes installed in the production
- Creating REST APIs for downloadable reports used by data analysts to interpret and find patterns
- Reviews, Walk through with the clients and Bug Fixing

Environment: Apache Spark, Apache Kafka, Redis, Mosquitto & eMqttd, Hbase, Postgres, Eclipse, Apache maven, GIT, Apache tomcat, Java Spring, HTML, CSS, Angular JS

Turbines Monitoring System
Worked in design and Development of cost effective application on the Sensor Data Analytics Framework to get data from the turbine components to build predictive analytical models. Built on Big Data technologies, the offering delivers scalability and flexibility, processing high volume sensor streams to present business relevant insights
- Designing of Software design documents
- Involved in design and architecture of the application and Relational Databases table structure
- Developing REST services for the UI design based on the requirements
- As a big data developer, I was involved in the writing spark programs for calculating derived parameters
- Was involved in the Internal Quality Assurance (IQA), code reviews and walk through ensuring the code quality using Sonar Qube tool

- Bug fixing and redesign as a part of agile methodology along with unit testing of the product

Environment: Apache Spark, Apache Kafka, Redis, MQTT, Hbase, Postgres, Apache maven, GIT, Apache tomcat & Hibernate

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IOT Monitoring tool
A product to monitor the end to end of IOT implementation that includes big data cluster and components, required to keep track of the whole system and their metrics in the IOT clusters along with a rule engine that enables setting up rules for each metrics.
- Was involved in creating rule engine that was supposed to invoke alerts through mails, messages
- Cracked logic to create JSON key parameters indices and alerts dynamically in elastic search
- Attend meetings to understand the requirement thoroughly and selecting the metrics for each components to monitor
- Worked with best practices and methods for monitoring each tool and creating REST APIs
- Researching on the solution for the logical comparison various parameters for the whole IOT system to avoid major issues
- Code reviews and code analysis on a regular basis to ensure quality
- I was involved in continuous code optimization and unit test case

Environment: Redis, Elastic Search, Postgres, Apache tomcat, Spring Boot, SonarQube

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Device Management Application
Tool required for managing the software agents installed in the gateway, configuration of the parameters that are required for the analytics, updating the software in the gateway devices in client's sites remotely over the 3G network without any human presence
- Creating modules for parsing through the configuration in excel format and storing them in relational database before pushing the latest configuration to the devices
- Worked on creating UI for the meta data storing of the devices and updating them
- Reports like data quality and data availability required for the administrating the IOT devices
- Database table structure modification as per the changes with the requirement
- Integration between the UI and services creating the JSON structures
- Involved in the design and development of the user management architecture of the device management platform

Environment: Postgres, Apache maven, GIT, Apache tomcat, Spring Boot, Leshan server, Angular JS

ROLE: PRODUCTION SUPPORT ANALYST

Performed Tier 2 application support working as production analyst in the Retail Services division for one of the biggest bank with multiple clients. Also engaged in several responsibilities which includes the coordination of support teams I other Line of businesses in the Production Management.
- Proactively communicated state of service availability and continuity to business units
- Coordinated and managed the shifts and issues for support analysts from 7 lines of businesses
- Analyzed and Assessed the impact and risk of low to high risk changes on production systems

- Determined system performance indicators and recommended service improvement actions, researching and recommending scheduling enhancements that improved system performance
- Identified manual processing deficiencies and instituted automation techniques using excel-macro which reduced manual labor and increased work flow efficiency
- Reviewed and processed the problem management register and identified and implemented actions
- Proactively monitored the availability and response time of high-traffic public sites for performance peaks & outages
- Coordinated responses to user requests for assistance with business representatives
- Identified and resolved incident related to the production process by utilizing cross-functional resources
- Wrote SQL statements providing back-end solutions to production issues, monitoring, and reporting
- Determined and analyzed production reports to ensure error-free processing
- Developed and documented process flows and maintained production and project documentation
- Development and maintenance of all detailed documentation for all the partners
- Estimated the growth of Databases and provided a detailed quarterly and weekly analysis report
- Provided continuous follow up and track reports on the expiring server certificates