

# RAMJI SRIDARAN

## TECHNICAL LEAD



### JOB OBJECTIVE

An enterprising professional aiming for senior-level assignments, leveraging wealth of technical skills in **AWS, Java, Snowflake, AI Integrations** and **Big Data Technologies**.

### CONTACT

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### CORE COMPETENCIES

- Application Development
- Cloud Architecture
- AI Integration & Implementation
- Serverless Architecture Design
- Data Integration Strategies
- Big Data/ Data Migration
- IoT Implementation
- Connected Smart Systems
- Agile/ Waterfall Methodologies
- Technical Roadmapping
- Requirement Gathering & Analysis
- Real-Time Data Processing/ Streaming
- Predictive Analytics
- Production Support
- Stakeholder Engagement
- Team Leadership & Mentoring

### TECHNICAL SKILLS

**Programming Languages:** Java, Python (Basic), JavaScript, Shell Scripts, SQL

**Operating Systems:** Mac, Linux

**Databases:** MS SQL, PostgreSQL, Snowflake, HBase

**Database Version Control:** Liquibase

**Code Version Control:** Git, Bitbucket, GitHub

**Logging:** Splunk

**Monitoring:** Dynatrace, Datadog

**Servers:** Tomcat, WildFly

**Build Tools:** Maven

**Frameworks:** Spring Boot, Node.js

**AI Integration:** OpenAI API, Groq API, Hugging Face Models

**IoT Queueing:** eMqttD, Mosquitto, PAHO

### PROFILE SUMMARY

- Amassed **over 11 years** of experience in **Java-based web applications, Big Data ecosystems**, and **cloud-native architectures**, delivering scalable and high-performance solutions in **advertising, financial services**, and **IoT domains**.
- Functioning as a **Technical Lead** at **Dentsu Global Services**, driving development of applications and integration initiatives while ensuring top-notch deliverables.
- Demonstrated expertise in **AI integration** and **serverless architecture**, implementing intelligent **chatbot** solutions with multi-provider **fallback strategies** using **OpenAI, Groq**, and Hugging Face APIs on **Vercel's** serverless platform.
- Expertise in **cloud platforms (AWS, Snowflake, and client-specific clouds)**, driving data integration, workflow automation, and large-scale data processing, leveraging **cloud solutions for business-critical applications**.
- Strong background in **IoT implementation and analytics**, designing and deploying **sensor-driven monitoring solutions, real-time data pipelines**, and **predictive analytics frameworks** that enhance **operational efficiency**.
- Skilled in designing **cloud-native solutions** and **data integration frameworks** that optimize **business processes, data flow, operational efficiency** at enterprise scale.
- Hands-on experience in delivering **data-driven insights, migration of legacy systems**, and **analytical solutions**, enabling **enhanced business performance**.
- Adept at **developing sensor-driven systems, real-time monitoring solutions**, and **predictive analytics frameworks** that improve efficiency & resource management.
- Resourceful in **streamlining workflows, improving system reliability**, and **enhancing performance** through **continuous process improvement**.
- **People-oriented leader** with skills in building and leading high-performing teams towards the accomplishment of common goals.

### WORK EXPERIENCE

**Dentsu Global Services, Coimbatore** | Jun'2021 to Present | **Technical Lead**

**Cognizant Technology Solutions, Coimbatore** | May'2018 – May'2021 | **Associate**

**TATA Consultancy Services, Kochi** | Feb'2014 – May'2018 | **System Engineer**

#### *Key Result Areas across the career:*

- Architecting and delivering large-scale **Java applications** and **data processing components** on **AWS**, ensuring high **performance, scalability**, and maintainability.
- Leading development of **RESTful APIs** and **microservices** using **Java** and **Spring Boot** for **data ingestion**, processing, and seamless **integration**.
- Implementing **AWS workflows**, including **Simple Workflows**, to automate orchestration of complex **client datasets**.
- Overseeing integration with multiple **external platforms** and **services**, enabling secure **data exchange** and publishing to **social platforms**.
- Designing and optimizing **data pipelines** using **Spark, Kafka**, and **streaming frameworks** for real-time and batch processing.
- Managing **data ingestion** and synchronization across **cloud environments**, legacy systems, and **Snowflake**, ensuring consistency and reliability.
- Guiding development of **data transformation logic** and merging programs using **Scala/ Spark** for analytics and downstream consumption.
- Defining **database schemas**, leading **version control**, and executing migrations using **Liquibase** to ensure robust data architecture.
- Automating **data loading processes** using **shell scripts, Sqoop**, and **Spark jobs**, while performing **data validation**, reconciliation, and quality monitoring across systems.

**Code Analysis:** SonarQube, Checkstyle, PMD, SpotBugs

**Tracking:** JIRA

**Cloud:** AWS Services, Snowflake, Client Native Clouds, Vercel

**BigData:** Kafka, Hbase, Sqoop, Solr, Spark

## EDUCATION

### Bachelor in Information Technology

M.Kumarasamy College of Engineering,  
Karur, Tamil Nadu, India | 2013

## CERTIFICATIONS

**SnowPro Associate – Platform Certification** | Jul'2025

**Information Technology Infrastructure Library (ITIL)** | May'2015

**Oracle Certified Professional – Java SE 6 Programmer** | Nov'2013

## PERSONAL DETAILS

**Date of Birth:** 15<sup>th</sup> February 1992

**Languages Known:** English, Tamil, Marathi

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- Building internal tools for **data quality monitoring**, **automated testing**, and optimizing workflows for improved **data pipeline performance**.
- Supervising **cloud environments** and **clusters**, leading **feature upgrades**, platform onboarding, integration of new **data types**.
- Supporting **production deployments** with troubleshooting and incident resolution.
- **Working with cross-functional teams** to integrate and synchronize multiple social media platforms, enhancing compatibility and minimizing operational downtime.
- Innovating support for diverse data types, thereby **enhancing the flexibility of data** ingestion processes and improving overall system performance.
- Developing **REST APIs** to facilitate the rollout of new features, thereby accelerating development cycles and ensuring seamless cross-platform interoperability.
- Leading **initiatives for version** and **feature upgrades**, implementing enhancements that optimize data processing workflows and improve efficiency.

### *Personal Project: AI-Powered Portfolio Chatbot | Nov'2025 – Present*

- **Architected** and deployed a **serverless AI-powered chatbot** using JavaScript, Node.js, and Vercel's edge functions, providing **real-time intelligent** responses about professional experience, skills, and projects.
- Integrated multiple AI providers (**Groq**, **OpenAI**) with automatic failover mechanism, implementing a **robust three-tier fallback strategy** ensuring **99.9%** uptime and **graceful degradation**.
- Designed and implemented **RESTful API endpoints** with **CORS** configuration for secure **cross-origin** communication, enabling **seamless integration** with portfolio website.
- Developed **comprehensive system prompts** leveraging professional resume data and LinkedIn profile information, **enabling context-aware AI** responses for **enhanced user engagement**.
- Implemented **error handling**, **logging**, and **monitoring** strategies for production environment, utilizing Vercel's serverless infrastructure for **cost-effective, scalable** deployment.
- Created responsive **UI/UX** components with **theme-aware** design (light, dark, compact, black & white modes), ensuring **consistent branding** and **accessibility** across all themes.
- Utilized **GitHub** for version control and **CI/CD** pipeline through **Vercel** for automated deployments, achieving **zero-downtime** releases.

### *Highlights:*

- Implemented a **monitoring system** using **Datadog**, which improved **incident response times** by **50%**, ensuring higher **service availability** for clients.
- Drove **trainings** for new hires focused on **AWS** and **Snowflake best practices**, achieving a **25% reduction** in **onboarding time** and increased **team productivity**.
- Implemented a **100% automated workflow rerun process** through **REST API endpoints** accessible to the **Operations team**.
- Spearheaded integration of **automated scripts** for copying **artifacts** within **S3** in **deployment pipelines** using **Jenkins**, reducing **deployment times** by **20%** and minimizing **human error** during releases.
- Successfully migrated **2 projects** to **cloud platforms**, resulting in a **10% increase** in **operational efficiency** and significant **cost reduction**.
- Developed **automated testing suites** that improved **application reliability**, reducing **post-deployment issues** by **50%**.
- Optimized **Apache Solr facets**, reducing **search time** by **30%**.
- Introduced **in-memory tables** instead of querying **HBase** for **Spark processing**, reducing **processing time** by **50%** and receiving formal **appreciation**.

For project details, kindly refer to [ramji-sridaran.github.io/](https://ramji-sridaran.github.io/)