

G Shiva Rama Krishna

Associate Director | AI and Engineering Leader

Hyderabad, Telangana, India | +91-6281516604 | shivaramakrishna8722@gmail.com | www.linkedin.com/in/shiva-ram-krishna2021

Professional Summary

I have spent 13+ years building software, leading teams, and turning business needs into working products. At S&P Global, I work on AI-powered reporting and knowledge tools using Python, RAG, MCP, and AWS. Earlier in my career, I built trading, reporting, and desktop applications with C# and .NET.

Technical Skills

AI & Generative AI: Agentic AI Architecture, RAG Systems, Python, MCP, FastMCP, AWS Agent Core

Languages & Application Frameworks: ReactJS, TypeScript, JavaScript, C#, .NET Core, WPF

Data & APIs: SQL Server, Cassandra, Web API

Cloud & DevOps: AWS, AWS EKS, GitHub Actions, CI/CD Pipelines, Azure DevOps

Reporting & Visualization: Telerik Reports, Highcharts, ChartIQ

Additional Tools & Practices: Agile, SAFe, System Design, Stakeholder Communication, VSTO, InstallShield, Datadog, xUnit, Multithreading, Performance Tuning

Professional Experience

Associate Director | S&P Global Inc.

2017 - Present

Leads engineering work on reporting, research, and AI products. Recent work includes RAG-based search and chat tools, agent workflows, and services running on AWS.

- Designed and delivered two new AI products for reporting and conversational workflows, from initial design through production.
- Built Python workflows with AWS AgentCore, Model Context Protocol (MCP), and FastMCP to connect tools, retrieve information, and handle multi-step tasks.
- Built knowledge assistants that answer questions using company data and provide summaries and charts.
- Improved RAG pipelines by tuning retrieval, chunking, grounding, context handling, and token use.
- Added checks for answer quality, faithfulness, data integrity, and completeness, including LLM-as-judge evaluations.
- Deployed AI applications and supporting services on AWS EKS.
- Built financial-data charting features and worked on API and data-retrieval performance.
- Built a reporting solution that generates Image, PDF, Word, and Excel files, contributing to a reported 30% reduction in costs.
- Led a 10-person team and built VSTO tools for visualizing data in Excel, PowerPoint, and Word.

- Worked with product, platform, and engineering teams to turn reporting, research, and AI requirements into software designs.

Software Developer | TATA Consultancy Services

2013 - 2017

Built and maintained trading applications and internal tools, with a focus on performance and reliability.

- Built and deployed IRS Core, a nationwide trading application for a government client, completing the project in five months.
- Built an internal tool that gave teams one place to track defects.
- Created reports with Telerik Report Builder to support client reporting and day-to-day operations.

Accomplished Projects

Agentic Report Builder with RAG & MCP

A reporting assistant that turns written questions into reports using company data. It retrieves relevant information and checks the results before returning them.

Impact: Gives teams a quicker way to draft reports from company data and review the results.

Technologies: Python, RAG, MCP, FastMCP, AWS AgentCore, ReactJS, AWS EKS, LLM-as-Judge

Enterprise Knowledge Chat Bot

A chat tool for asking questions about company data. It returns answers with summaries and charts to help explain the information.

Impact: Makes it easier for users to find and understand information in company data.

Technologies: Python, RAG, MCP, FastMCP, LLM, ReactJS, AWS, Eval Frameworks

Financial Data Charting Solution

A charting platform for exploring financial data and building interactive visualizations.

Impact: Improved analysis efficiency by 40% through interactive financial-data visualization and optimized data retrieval.

Technologies: C#, ReactJS, Highcharts, AWS, SQL Server

Report Builder Solution

A report-generation tool that creates reports in Image, PDF, Word, and Excel formats using reusable templates.

Impact: Reusable templates helped reduce reporting costs by 30% and processing time by 60%.

Technologies: C#, .NET Core, Telerik Reports, SQL Server

Defect Management Tool

An internal tool for recording defects and following them through resolution across teams.

Impact: Centralized tracking improved defect resolution time by 45% and team productivity by 35%.

Technologies: C#, WPF, SQL Server, Web API

Business Podcast Audio Player

Developed an MP3 player for business podcasts with speech-to-text transcription and bookmarking for key audio clips.

Impact: Helped listeners find and replay important moments without searching through the full recording.

Technologies: MP3 audio, speech-to-text

Nationwide Government Trading Platform

Worked with a cross-functional team to build a nationwide trading platform for a government client, delivering the platform in five months.

Impact: Contributed to a timely, quality-focused delivery of a nationwide trading platform.

Technologies: C#, WCF, order management, market monitoring, ticker

Multi-Source Data API

Developed a data API that retrieves requested information from SQL Server and Cassandra and serves it to React applications and other services.

Impact: Unified access to data across multiple database services for UI and service consumers.

Technologies: C#, .NET Core, Web API, React, SQL Server, Cassandra

Education

Master of Computer Applications (MCA)

Gayatri Vidya Parishad, Visakhapatnam | 2010 - 2013

Bachelor of Science in Computer Science (B.Sc.)

Gayatri Engineering College, Srikakulam | 2007 – 2010

Intermediate (Higher Secondary)

West Bengal Board of Higher Secondary Education, Kharagpur | 2005 - 2007

Class 10

West Bengal Board of Secondary Education, Kharagpur | 2005

Awards & Recognition

- Engineering Excellence Award: Recognized at S&P Global for Office Tools development and delivery of high-impact business value.
- Technical Excellence Award: Recognized for architecting a high-performance defect-management tool and reporting engine.
- On-the-Spot Award: Recognized for optimizing a trading system to improve processing speed and efficiency.
- ILP Kudos: Received at TCS for contribution during the Initial Learning Program (ILP).
- Mentored junior developers, supporting skill development and team productivity.