

# SRIDEVI RAVIPATI

Senior SRE(AWS Cloud) @ Singtel, Singapore

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PORTIFOLIO	PROFESSIONAL SUMMARY
<p><b>12+ years</b> of professional experience as a Cloud / Infra expert (<b>AWS, Kubernetes, Go, Python, Docker, Terraform, AWS CDK, Java</b>) in analysis, design, development, deployment and troubleshooting of various Telecom, Retail, Banking and Healthcare applications.</p>	<ul style="list-style-type: none"><li>• 12+ years of progressive work experience in developing highly distributed applications and solid experience in automate, design, build and deploy apps.</li><li>• Solid working experience in service-oriented technologies to be able to understand service interdependencies and drive towards technical solutions for multi-tiered systems.</li><li>• Significant working experience with customers, project managers and technical teams for executing concurrent multi-technology projects</li><li>• Strong working knowledge and ability to apply architecture concepts, frameworks and methodologies to projects</li><li>• Mentoring development squads on Kubernetes, cloud engineering, cloud native best practices</li><li>• Write high quality and testable code following clean code and SOLID principles.</li><li>• Proficient with Public Cloud Technology AWS, Terraform, Kubernetes</li><li>• Good knowledge in AWS services: EC2, ECS, S3, EKS, CDK, Lambda, IAM, Secrets Manager, Step Functions, CloudWatch, CloudTrail, Glue, RDS and lake formation</li><li>• Hands-on experience in Designing and developing EAI Solutions using TIBCO Suite &amp; Involved in all the phases of SDLC</li><li>• Strong Computer science fundamentals in algorithms and data structures</li><li>• Extensively worked on API Gateway offerings like Kong and APIGEE</li><li>• Proficient working experience in Monolith, SOA and micro-services architecture</li><li>• Proficient in Terraform modules and templates to provision AWS infrastructure</li><li>• Understanding of managing the networking and security aspects around architecture to drive performance improvements and stability.</li><li>• Good knowledge on relational database, Oracle, Postgres and NoSQL, Cassandra</li><li>• Strong experience in agile methodologies, test driven development and XP</li><li>• Worked on different software methodologies like Waterfall, Agile and Have solid experience in Development and production support.</li><li>• Lead and mentor junior engineers to deliver high-quality code and projects.</li><li>• Excellent understanding of project issues, ability to work independently or as a part of a team</li><li>• Self-driven &amp; motivated, with a strong work ethic &amp; technical background and a passion for problem solving.</li></ul>
CERTIFICATIONS	
<ul style="list-style-type: none"><li>• Certified <b>Terraform</b> Associate</li><li>• Certified <b>AWS</b> Solution Architect</li><li>• Certified <b>Kubernetes Application Developer (CKAD)</b> and Certified <b>Kubernetes Administrator</b></li><li>• <b>TIBCO BW5 / Mulesoft 4</b> Certified Professional</li></ul>	
TECHNICAL SKILLS	
<ul style="list-style-type: none"><li>• <b>Kubernetes, Docker, Terraform, Bamboo, Maven, Puppet, Jenkins</b></li><li>• Core <b>Java 11</b>, Restful services, <b>Spring Boot, Data Structures and Algorithms, Python, Go</b></li><li>• Oracle, MySQL, Cassandra, UNIX</li><li>• JMeter, SOAPUI, POSTMAN, GIT</li><li>• <b>AWS, CDK, EKS, Shell script</b>, PCF, Grafana, <b>AMQ, IBM MQ</b>, Kafka, Cron Scheduler</li><li>• <b>Helm, Karpenter, Trivy, kyverno</b></li><li>• <b>Integration</b> - TIBCO BW 5, MuleSoft 4</li></ul>	
AWARDS & RECOGNITION	
<ul style="list-style-type: none"><li>• Received <b>OnTheSpot</b> award for <b>excellence in work</b> and cost reduction for client in TCS</li><li>• Received Star of the month award for <b>service and co-operation in TIBCO Profile upgrade</b> in TCS</li><li>• Received Start of the moment award for <b>providing high quality of service to partners</b> in TESCO</li><li>• Received excellence award for <b>outstanding contribution</b> in HCL</li><li>• Received <b>Certificate of Excellence</b> award for developing <b>Test Automation tool</b> in DBS</li></ul>	
LEARNING & INNOVATION	
<ul style="list-style-type: none"><li>• Developed self-service API's to offer automated <b>Kong API Gateway</b> to application users.</li><li>• Developed <b>Log Viewer</b> and <b>SOI Utility</b> tool to fetch logs across domain/regions and ease day to day activities.</li><li>• <b>Explore new technologies</b> to suit organization's roadmap</li><li>• Migrated TIBCO services to <b>MuleSoft API's</b></li><li>• Developed <b>AWS CDK self-service pipeline</b> for RDS Proxy, toolbox, puppet agents and server</li></ul>	
WORKEXPERIENCE	
<b>Senior SRE (Cloud/DevOps)</b> Singtel, Singapore Involved in AWS EKS production grade end to end automation of cluster and application deployment management via AWS CDK(Go), terraform and shell scripting	<b>10 Apr 2023 – Till Date</b>
<b>Senior Consultant</b> Thoughtworks, Hyderabad Working in a mesh experience squad to deliver infra and data mesh solutions. Skills include python, AWS, terraform, Colibra and starburst.	<b>11 Apr 2022 – 31 Mar 2023</b>
<b>Senior Associate</b> JPMorgan Chase & Co, Hyderabad Worked as an Infrastructure Developer and Experienced in designing and developing microservices.	<b>Dec 2020 – Apr 2022</b>
<b>Senior Development Engineer</b> DBS Asia Hub 2, Hyderabad Worked as a Senior Developer and Experienced in designing and developing REST, SOAP, BATCH and Messaging Services	<b>May 2017 – Dec 2020</b>
<b>Consultant</b> HCL Technologies, Hyderabad Worked as a Lead Developer and experience in designing and developing integration services.	<b>Sep 2015 - May 2017</b>
<b>Software Engineer</b> TESCO, Bangalore Worked as a Developer and Production Support Specialist for marketplace partners and helped them onboard using SOAP and EMS based services	<b>Apr 2014 - Jun 2015</b>
<b>Systems Engineer</b> Tata Consultancy Services, Chennai Worked as Developer for Nielsen Client and helped them to migrate TIBCO services to latest versions	<b>Mar 2012 - Apr 2014</b>
EDUCATION	
<b>B.Tech Computer Science</b> Godavari Institute of Engineering and Technology	<b>2008 - 2011</b>
<b>Diploma in Computer Science</b> Andhra Polytechnic	<b>2005 – 2008</b>

**PROJECT # 1: ENABLING PLATFORMS - SINGTEL**

<b>Roles &amp; Responsibilities</b>	<p>Responsible for building and deploying cloud native application on the AWS EKS</p> <p>Experienced in working in an SRE team and part of its maturity journey</p> <p>Mentoring development squads on Kubernetes, cloud engineering and cloud native best practices</p> <p>Developed end to end pipelines for RDS proxy, ServiceNow mid server, toolbox and other self service capabilities needed for development squads</p> <p>Proficiency with Git, including branching/merging strategies, Pull Requests, and CLI functionalities</p> <p>Experienced working with using certificates for message signing and mutual TLS</p> <p>Proficiency with CI/CD on deployment, management, and monitoring of applications</p> <p>Supporting production incidents and provide permanent corrective actions to development squads.</p> <p>Configured end to end pipeline for puppet server and clients setup in AWS Cloud</p>
<b>Tools / Skills</b>	Kubernetes, AWS EKS, AWS CDK (Go, Python), Helm, Docker, Terraform, Puppet, Bamboo, Karpenter, Trivy, Kyverno, Git, AWS, Shell Scripting

**PROJECT # 2: DATA PRODUCT MESH EXPERIENCE – GILEAD - THOUGHTWORKS**

<b>Roles &amp; Responsibilities</b>	<p>Make sure product features get delivered within timeline and with consistent high quality.</p> <p>Ensure code quality standards are met through clean code, &amp; high test coverage.</p> <p>Responsible for features from state “Dev Done” to “Deployed-To-Prod” path.</p> <p>Upscaling technical and consulting skills while working on project delivery.</p> <p>Consider any problem/solution as an opportunity to have knowledge sharing with Team.</p> <p>Proactive lead on tech stories, driving solution/discussions, in-depth research if required.</p> <p>Consider having a higher level picture for the project instead of focusing on just a single story.</p> <p>Developed a self-service data product registration API to automate publish data products publishment to Collibra and Starburst tools</p> <p>Proficiency with Git, including branching/merging strategies, Pull Requests, and CLI functionalities</p> <p>Proficient in terraform to provision AWS infrastructure</p> <p>Proficiency with CI/CD on deployment, management, and monitoring of applications</p> <p>Big picture thinking and understanding the business needs</p> <p>Worked in Agile scrum methodologies</p>
<b>Tools / Skills</b>	Python, TDD, Terraform, Collibra, Starburst, AWS Skills – S3, lambda, CloudWatch, step functions, glue, RDS, lake formation, IAM, secrets manager, Git, GitHub actions

**PROJECT #3: GTI - API MANAGEMENT - JPMC**

<b>Roles &amp; Responsibilities</b>	<p>Experienced in designing, developing solutions in Spring Boot applications to ensure optimum performance, high availability and stability</p> <p>Troubleshoot and fix, performance, availability and reliability issues.</p> <p>Strong knowledge in doing performance testing tool using JMeter</p> <p>Strong understanding in design, develop, and configure APIs (Rest and Soap) and policies using API Gateways / Management products.</p> <p>Hands-on experience for REST and SOAP Web Services, JSON, XML and YAML</p> <p>Developed self-service API's to offer KONG API gateway to application users.</p> <p>Familiar with using certificates for message signing and mutual TLS</p> <p>Worked with other technical teams in an organization to setup CI/CD, Analytics, Storage and get the infrastructure provisioned</p> <p>Worked on monitoring and observability tools to keep our self-service API's available all the time and get notified with alerts via emails for any issue</p> <p>Worked in Agile Kanban process.</p>
<b>Tools / Skills</b>	Java 11, Spring Boot, Kubernetes, Kong, APIGEE, Terraform, AWS, Jenkins, Postman, JMeter, Unix, Grafana, APICA, Maven

**PROJECT # 4: FUTURE READY API MANAGEMENT - DBS**

<b>Roles &amp; Responsibilities</b>	<p>Gather requirements from Client / Business Analyst</p> <p>Understand the requirements and prepare the design document.</p> <p>Ensure designs are following with specifications.</p> <p>Mentors the development of resources which includes reviewing designs and perform code reviews</p> <p>Involve in development activity, such as coding, unit testing, integration testing, bug fixing and code review.</p> <p>Writing clean, high-quality, high-performance, maintainable code</p> <p>Developed high volume, low latency applications with high availability and great performance.</p> <p>Migrated TIBCO applications to JAVA Spring boot micro services.</p> <p>Understand the impact of problem, minimize risk to service and strive for continuous improvement</p> <p>Worked in Agile environment.</p> <p>Created / Developed tools using Python for team to reduce the effort and increase productivity</p>
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<b>Tools / Skills</b>	TIBCO BW, TIBCO EMS, TIBCO Administrator, AWS, SOAP UI, Java8, Spring Boot, Python, JENKINS, Postman, Unix, Shell Scripting, IBM MQ, IBM Tivoli Workload Scheduler
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#### PROJECT # 5: RIB / RMB - DBS

<b>Roles &amp; Responsibilities</b>	<p>Worked as a Senior middleware developer.</p> <p>Responsible for coding, unit testing, application support, bug fixing and deliver tasks assigned as per predefined timelines and quality standards.</p> <p>Design and develop Web services in SOAP and REST.</p> <p>Created various XSD, X-Path transformations.</p> <p>Understand the impact of problem, minimize risk to service and strive for continuous improvement.</p> <p>Worked in Agile distributed team environment.</p>
<b>Tools / Skills</b>	TIBCO Business Works, Jenkins, Python, EMS, TIBCO Administrator, Unix, Python

#### PROJECT #6: FedEx AND UTI LOGISTICS - HCL

<b>Roles &amp; Responsibilities</b>	<p>Worked as a Developer and Production support senior consultant.</p> <p>Responsible for coding, unit testing, application support, bug fixing and deliver tasks assigned as per predefined timelines and quality standards.</p> <p>Design and develop Web services in SOAP and REST.</p> <p>Created various XSD, X-Path transformations.</p> <p>Understand the impact of problem, minimize risk to service and strive for continuous improvement.</p> <p>Responsible for proactive monitoring and reduce the production issues and increase the productivity of application.</p> <p>Worked in Agile distributed team environment.</p>
<b>Tools / Skills</b>	TIBCO Business works, Business Connect, Oracle, SVN, SOAP UI, Classic Administrator, SQL, PL/SQL

#### PROJECT # 7: MARKETPLACE - TESCO

<b>Roles &amp; Responsibilities</b>	<p>Worked in development and prod support team.</p> <p>Responsible for coding, unit testing, application support, bug fixing and deliver tasks assigned as per predefined timelines and quality standards.</p> <p>Problem analyzing and providing the solutions in production and staging environments.</p> <p>Design and develop Web services over HTTP/JMS.</p> <p>Create XML Schema and WSDL in XMLSpy.</p> <p>Worked according to different time-zones for deployment and production support activities.</p> <p>Worked on Administrative activities like Deployment, fine tuning, and writing HRB.</p> <p>Analyzed and worked on Change Requests and Incident Requests</p> <p>Developed Exception &amp; Logging framework.</p> <p>Worked in Agile distributed team environment</p>
<b>Tools / Skills</b>	TIBCO Business works, EMS, GEMS, Business Connect, Oracle, TFS, SOAP UI, Fiddler, Altova XMLSPY, AMX Administrator, Classic Administrator, Hawk, SQL, PL/SQL

#### PROJECT # 8: NIELSEN PROJECTS – TCS

<b>Project Name</b>	Inbound File Transfer
<b>Roles &amp; Responsibilities</b>	<p>Developed UNIX shell scripts and EMEA scripts to unzip, decrypt and rename the received Inbound files.</p> <p>Documentation maintenance</p> <p>Worked with teams spread across different geographies.</p> <p>Configuring Business Connect Partners, Agreements and operations in TIBCO Administrator</p>
<b>Project Name</b>	Whirlpool TIBCO
<b>Roles&amp; Responsibilities</b>	<p>Involved in design, development and deployment.</p> <p>Development of Process Definitions using TIBCO Business Works.</p> <p>Created ECS and XSD files for operations using Edifecs spec builder tool.</p> <p>Created SEF, XSD and MAP files for operations using Foresight EDISIM tool.</p> <p>Configuring BC Partners, Agreements and operations in TIBCO Administrator.</p> <p>Creation of Unit test cases for the development</p> <p>Deployment of EAR in TIBCO Administrator</p>
<b>Project Name</b>	Data Receipt Notification
<b>Roles &amp; Responsibilities</b>	<p>Involved in development and deployment.</p> <p>Involved in the implementation of TIBCO BW processes.</p> <p>Migrated applications in TIBCO BW 5.8 to 5.12 version</p> <p>Involved in unit testing of various BW services and interfaces.</p> <p>Created database tables in SQL Server 2008.</p> <p>Preparing test summaries and reports.</p> <p>Deployment of EAR files in TIBCO Administrator.</p>
<b>Tools / Skills</b>	TIBCO BW, TIBCO EMS, SQL SERVER, UNIX, TIBCO BW, TIBCO Business Connect, TIBCO EMS, TIBCO Administrator, Foresight EDISIM, Edifecs spec builder, Unix, Core Java

#### PERSONAL PROFILE

<b>Name</b>	S CH SRIDEVI RAVIPATI	<b>Indian Passport</b>	Valid till 2032
<b>Work Visa Type in Singapore</b>	Employment Pass	<b>Address</b>	Serangoon, Singapore.