SRIDEVI RAVIPATI

Senior SRE / DevOps / Platform Engineer / EAI

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PROFESSIONAL SUMMARY

Results-driven Senior Site Reliability Engineer / DevOps / Platform Engineer / EAI with 12+ years of experience architecting, automating, and optimizing mission-critical deployments in AWS cloud environments. Expert in Kubernetes, terraform, docker, TIBCO BW 5.X and CI/CD pipelines. Proven track record of leading cross-functional teams, mentoring engineers, and delivering robust, scalable cloud-native solutions for telecom, banking, and healthcare domains. Recognized for driving cost reduction, operational excellence, and high availability through automation and infrastructure as code.

KEY PROJECTS

- AWS EKS Automation: Designed and implemented end-to-end automation for EKS cluster lifecycle management and application deployments, leveraging AWS CDK, terraform, and shell scripting.
- Data Mesh Platform: Built self-service API's for data product registration and automated integration with Collibra and Starburst, reducing onboarding time by 50%.
- API Management Modernization: Migrated legacy TIBCO services to microservices architecture using java spring boot.
- Monitoring & Observability: Enhanced monitoring, alerting, and log aggregation, resulting in a 30% reduction in mean time to detect (MTTD) and resolve (MTTR) incidents.

CORE SKILLS

- **Cloud Platforms:** AWS (EC2, EKS, ECS, S3, LAMBDA, RDS, IAM, Cloudwatch, Cloudtrail, Glue, Secrets Manager, Step Functions, Lake Formation), PCF
- **Containerization & Orchestration:** Kubernetes, Docker, Helm, Karpenter
- **Infrastructure As Code:** Terraform, AWS CDK (Go, Python), Puppet
- **CI/CD & Automation:** Jenkins, Bamboo, Github Actions, Maven, Shell Scripting
- **Programming Languages:** Go, Python, Java (Core Java 11, Spring Boot), Shell
- **Monitoring & Observability:** Grafana, Trivy, Kyverno, Apica
- **API Management:** KONG, APIGEE,
- **Databases:** Oracle, Mysql, PostgreSQL, Cassandra, SQL Server
- **Messaging & Integration:** Mulesoft 4, TIBCO BW 5, KAFKA, IBM MQ, AMQ, EMS, SOAP, REST
- **Testing & Tools:** JMeter, SOAPUI, Postman, GIT, UNIX
- **Agile Methodologies:** Scrum, Kanban, XP, TDD

CERTIFICATIONS

- AWS Certified Solutions Architect Associate
- Kubernetes Certified Network Associate
- Kubernetes Certified Security Associate
- Certified Kubernetes Application Developer
- Certified Kubernetes Administrator
- Certified Terraform Associate
- Tibco BW5 / Mulesoft 4 Certified Professional

AWARDS & RECOGNITION

- **Certificate Of Achievement** - Outstanding Contribution (Singtel)
- **On the spot Award** – Cost Reduction (TCS)
- **Star of the Month** – Service Excellence (TCS)
- **Excellence Award** – Outstanding Contribution (HCL)
- **Certificate Of Excellence** – Test Automation (DBS)

LEARNING & INNOVATION

- Developed self-service API's to offer automated **Kong API Gateway** to application users.
- Developed **Log Viewer** and **SOI Utility** tool to fetch logs across domain/regions and ease day to day activities.
- **Explore new technologies** to suit organization's roadmap
- Migrated **TIBCO** services to **Java Springtboot** API's
- Involved in AWS EKS production grade **end to end automation of cluster and application deployment** management

EDUCATION

- **B.TECH, Computer Science**
  Godavari Institute of Engineering and Technology | **2008 – 2011**
- **DIPLOMA, Computer Science**
  Andhra Polytechnic | **2005 – 2008**

ADDITIONAL DETAILS

- **Visa Type**: Employment Pass [Sponsored by Singtel]

PROFESSIONAL EXPERIENCE

Senior SRE (Cloud/DevOps) | Singtel, Singapore | Apr 2023 – Present

- Architected and automated AWS EKS production clusters and application deployments using AWS CDK (Go), Terraform, and shell scripting, improving deployment speed by 40%.
- Responsible for building and deploying cloud native application on the AWS EKS Experienced in working in an SRE team and part of its maturity journey
- Implemented CI/CD pipelines, reducing manual deployment errors and increasing release frequency.
- Optimized infrastructure monitoring and alerting with Grafana and custom tools, reducing incident response time by 30%.
- Mentored development squads on cloud-native best practices, Kubernetes, and infrastructure automation.
- Led SRE initiatives to enhance system reliability, high availability, and cost efficiency.

Senior Consultant | ThoughtWorks, Hyderabad | Apr 2022 – Mar 2023

- Ensured timely delivery of product features with consistent high quality by enforcing clean code practices and maintaining high test coverage; managed feature lifecycle from **"Dev Done" to "Deployed-To-Prod."**
- Led technical discussions and solution design with a proactive approach, encouraging knowledge sharing and maintaining a broad project perspective beyond individual tasks.
- Developed a **self-service data product registration API** to automate publishing workflows for **Collibra** and **Starburst** platforms, enhancing data governance and availability.
- Skilled in **Git** (branching, merging, pull requests), **Terraform** for AWS infrastructure provisioning, and **CI/CD pipelines** for deployment and monitoring; operated effectively within **Agile Scrum** teams.

Senior Associate | JPMorgan Chase & Co, Hyderabad | Dec 2020 – Apr 2022

- Designed and developed **Spring Boot microservices** with a focus on **performance**, **high availability**, and **stability**; resolved complex issues related to system reliability and scalability.
- Built and maintained **REST and SOAP APIs** using **JSON, XML, and YAML**, and applied **API management policies** via tools such as **KONG API Gateway**; developed **self-service APIs** for internal consumers.
- Conducted **performance testing** using **JMeter**, configured **mutual TLS**, and implemented **message signing** with digital certificates for secure API communication.
- Collaborated with DevOps, CI/CD, and infrastructure teams to provision resources and enable monitoring using observability tools; ensured system uptime through alerting, incident response, and participation in **Agile Kanban workflows**.

Senior Development Engineer | DBS Asia Hub 2, Hyderabad | May 2017 – Dec 2020

- Served as a **Senior Middleware Developer**, gathering requirements from clients and Business Analysts, preparing design documents, and ensuring solutions aligned with technical specifications and business goals.
- Designed and developed **SOAP/RESTful Web Services**, XSDs, and **XPath transformations**; migrated legacy **TIBCO applications** to **Java Spring Boot microservices**, enhancing system scalability and performance.
- Led development activities including **coding, unit/integration testing, bug fixing**, and **code reviews**; mentored junior developers and enforced clean, maintainable, and high-performance coding practices.
- Built internal tools using **Python** to automate repetitive tasks, reducing manual effort and increasing team productivity; worked in an **Agile distributed environment**, focused on continuous improvement and risk mitigation.

Consultant | HCL Technologies, Hyderabad | Sep 2015 – May 2017

- Worked as a **Developer and Production Support Senior Consultant**, responsible for **coding, unit testing, bug fixing**, and ensuring on-time delivery aligned with defined **quality standards**.
- Designed and developed **SOAP and RESTful Web Services**; created and maintained **XSDs** and **XPath transformations** for seamless system integration and data exchange.
- Proactively monitored applications to reduce production issues, assessed business impact, minimized service risk, and implemented continuous improvement strategies to enhance system **stability and productivity**.
- Collaborated within a **distributed Agile team**, contributing to sprint planning, issue resolution, and delivery of scalable, reliable integration solutions.

Software Engineer | TESCO, Bangalore | Apr 2014 – Jun 2015

- Contributed to both **development and production support** teams, performing **coding, unit testing, bug fixing**, and **application maintenance** to ensure timely and high-quality deliverables.
- Designed and developed **web services over HTTP/JMS**, and created **XML Schemas (XSD)** and **WSDLs** using **XMLSpy** for service interface definitions.
- Managed deployments, **fine-tuning**, and production support across **multiple time zones**, handling **Change Requests (CRs)**, **Incident Requests (IRs)**, and writing **High-Level Requirement (HRB)** documentation.
- Developed a robust **Exception and Logging framework** to enhance system reliability and error traceability; worked in an **Agile distributed team environment** supporting global business operations.

Systems Engineer | Tata Consultancy Services, Chennai | Mar 2012 – Apr 2014

- Developed and maintained **UNIX/EMEA shell scripts** to automate file handling tasks (unzip, decrypt, rename) and reduce manual intervention; automated file transfers for clients like **Nielsen**, enhancing operational efficiency.
- Designed, implemented, and optimized **TIBCO BusinessWorks** (BW) processes and **Process Definitions** for enterprise integrations; migrated applications from **BW 5.8 to 5.12**, improving system compatibility and performance.
- Created and configured **ECS, SEF, XSD, and MAP** files using **Edifecs SpecBuilder** and **Foresight EDISIM**; managed **BusinessConnect (BC) Partners**, Agreements, and operations in **TIBCO Administrator** for seamless B2B/EDI integration.
- Conducted **unit testing**, deployed **EAR files** across dev/QA/prod environments, maintained **SQL Server 2008** database tables, and collaborated with globally distributed Agile teams for development, deployment, and production support.