# Salil Tari

+1 (513)-807-4745   |   salil.tare@gmail.com   |   Dallas,TX   |   LinkedIn   |

## SUMMARY

AWS Certified Solutions Architect, Cloud engineer with experience in AWS and Azure, Designing Data-Lake Architecture, Strengths in AWS Architecture and Client services

## SKILLS

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|---|---|
| **Languages:** | SQL, R, C, Java, Python |
| **Cloud Services:** | AWS Glue, AWS Redshift, Identity and Access Management, Terraform, Kinesis, API Gateway, Lambda, Kinesis, Comprehend, Elasticsearch service, Docker, Kubernetes, DynamoDB |
| **Database:** | MS SQL Server, Oracle, MySQL, PostgreSQL, Data Modeling, Database Designing |
| **Network Administration:** | DNS, VPN, Load Balancing, Auto Scaling, CIDR |
| **Tools:** | SQL Server Management Studio (SSMS), Server Integration Services (SSIS), PL/SQL Developer, Putty, Tableau, MS Visual Studio R Studio, Geneva, WINSCP, Tortoise SVN, GitHub Desktop, MS Visio |
| **Operating Systems:** | Windows, Linux |

## CERTIFICATIONS

AWS Certified Solutions Architect Associate                                         Expires- May 2023
AWS Educate- Solutions Architect, Cloud Computing, Cloud Support Associate

## EXPERIENCE

**Cloud Engineer, Quaxigma-Chicago**                                         June 2020 – Present
- Assisted in gathering detailed business requirements, and designing a data lake architecture on cloud with AWS Redshift
- Built and orchestrated data pipelines using Glue Crawlers, Glue Jobs and Glue workflows
- Conducted POC's, implemented partitioning, and implemented redshift spectrum to optimize AWS Redshift's performance
- Worked with the client on implementing the defined policies with Identity and Access Management
- Assisted in automating Infrastructure provisioning for clients using Terraform
- Configured and deployed CI/CD pipelines to help developers deploy their code using Azure Repos and Azure App Service

**Systems Engineer, Tata Consultancy Services- Mumbai, India**                                         Oct 2017 – July 2019
- Provided technical assistance to customers on inbound telephone tech support calls
- Gathered technical requirements and converted them into sql stored procedures
- Performed Data Transformation and Data Integration of Operational Data into Data Warehouses using SSIS Packages
- Scheduled automated tasks with cron jobs, leveraging Shell scripts to increase the operational efficiency
- Analyzed team's monthly performance and helped to decrease the overall ticket count by 25%
- Conducted 20+ root cause analyses and resolved up to 15+ warranty code issues at production level

**Assistant System Engineer Trainee, Tata Consultancy Services- Kerala, India**                                         July 2017 – Oct 2017
- Developed a virtual bank back end application using Java Servlets, JSP, Hibernate, Struts and Oracle 11g database to carry out banking transactions such as deposit, withdraw and transfer for users as well as admin logins
- Designed the front end for the same application using HTML, CSS and JavaScript

## PROJECTS

**Exploring AWS spot instances using Kubernetes clusters**:                                         Jan 2020 – March 2020
- Designed a controller which constantly looks to spin up more economical spot instances inside of a Kubernetes cluster to reduce the cost of computing (by 40%) while maintaining the SLA (99 % uptime)
- Integrated a re-scheduler and a spot-interrupt-handler to distribute the load gracefully and deployed a metrics scraping operator to monitor the cluster and application

**Sentiment Analysis in Twitter with Kinesis, Lambda, Comprehend and Elasticsearch**                                         Mar 2020 – May 2020
- Extracted real-time data from Twitter using a python script running on EC2 with the help of libraries Tweepy and Boto3
- Used Kinesis Firehose delivery stream to capture the streaming data and AWS Lambda to call the Comprehend service for generating the sentiment information
- Loaded the transformed data into Elastic Search Cluster and visualized it using Kibana

**Cloud Portfolio/Resume**                                         October 2020
- Used S3 to deploy a static website and Cloudfront to securely deliver the data globally with low latency
- Registered a domain with GoDaddy and create a public hosted zone in Route 53 to route the requests to Cloudfront
- Managed DynamoDB, Lambda and API Gateway to store, update and retrieve visitor counter
- Addressed infrastructure as code using AWS SAM and set up CI/CD pipeline using GitHub actions

## EDUCATION

**University of Cincinnati,** OH, USA, (GPA- 3.93/4)
Master of Science in Information Systems
Coursework: Database Design, Data Modeling, Big Data Integration, Data Warehousing and Business Intelligence, Data Mining for BI, Data Visualization, Data Analysis & Methods, Data Analytics Certificate, Information Systems Security

**Mumbai University,** Mumbai, India, (GPA-3.5/4)
Bachelor of Engineering in Electronics
Coursework: Principles of Control Systems, Structured Programming Approach, Computer Communication Networks