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| SUMMARY |
| Ramprakash is a Senior Associate Data Engineering in Publicis Sapient Hyderabad Office. He joined Publicis Sapient in 2023. |
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| Ram has over six years of experience in software development and delivery. He worked for various clients in healthcare, manufacturing, retail and media analytics domains. Throughout the course, he had worked with RDBMS systems such as SQL Server, Oracle, Snowflake, and ELT systems Fivetran, DBT to load data into Datawarehouse's from various source systems. He has worked with GCP services including Cloud functions, Cloud Storage, and Big query in addition to AWS services like EMR, Redshift, Glue, Athena, S3, Lambda, and Lambda. He holds certifications as a GCP Associate Cloud Engineer, Snowflake Snow Pro, and AWS Solution Architect Associate. |

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| WORK EXPERIENCE: |
| **Publicis Sapient October 2023 To Present** |
| **Summary:**He joined Publicis Sapient in October, 2023 |
| **Techigai February 2022 To October 2023** |
| **Retail Analytics, USA, AWS Solution Architect, Data Engineer and Team Lead** |
| **Description:**TireHub is a national tire distributor that delivers the full passenger and light truck tire portfolios of Bridgestone and Goodyear to tire and automotive retailers. To enable and handle large-scale business at a lower cost, also to improve service quality, TireHub decided to migrate their jobs and process from On-prem to Cloud. |
| **Roles and Responsibilities:**Ram worked on designing and implementing highly available and fault-tolerant architecture on AWS, achieving 99.99% uptime. He developed glue jobs to migrate the data from SQL Server to redshift. He had implemented s3 raw and curated layers to store historical and processed data separately. He also designed a control table mechanism in redshift to read incremental data from SQL Server and while processing data from raw to curated. He had provided technical leadership and mentorship to team members, guiding them in best practices for AWS services and cloud infrastructure design. Some of the initiatives delivered by the team included: |
| 1 - Created power automate and lambda functions to ingest data from SFTP server, SharePoint to S3. |
| 2 - Leveraged Hudi mechanism to operate upsert methods on curated layer. |
| 3 - Implemented Infrastructure as code using AWS Cloud Formation to automate the provisioning of resources and improve deployment efficiency. |
| 4 - Designed and implemented IAM roles, security groups, and encryption to ensure data security and compliance during the migration process. |
| 5 - Optimized the Redshift cluster configuration for performance and cost efficiency, leveraging features like distribution styles and sort keys. |
| 6 - Scheduled ETL jobs using Glue workflows and Event Bridge. |
| **Skills/Domain:**SQL Server, Glue, Spark, S3, RedShift, Event Bridge, Lambda, Power Automate, Data Catalog, Athena, Crawlers |
| **Data lake – Development, Administration and Maintenance for Leading HealthCare Client, USA, Cloud Big Data Engineer and Team Lead** |
| **Description:**Ingesting real time retail data into GCP cloud storage and doing ELT operations using DBT and Fivetran to perform analytics and get insights on anomalies and marketing strategies. |
| Ram' role was to coordinate all of the team's activities, manage the client relationship, provide quality reviews for the team, and deliver on his own tactical initiatives. He designated as the single point of contact for the project in gathering data and requirements and supporting all internal and external queries for the client. Some of the initiatives delivered by the team included; |
| 1 - Requirement gathering, analysis, preparing low level design document and business specification document. |
| 2 - Designed project architecture for ingesting and processing huge data. |
| 3 - Implement GCP cloud functions to capture data from SFTP servers and API’s and scheduled those functions using a cloud scheduler. |
| 4 - Designed and created snowflake external tables on cloud storage and streams to capture incremental data. |
| 5 - Developed Fivetran connectors to ingest data from various SharePoint folders to snowflake. |
| 6 - Created DBT models to process huge data as per the business requirements. |
| 7 - Implemented CI/CD mechanism in GCP using Code Build and Cloud Run. |
| 8 - Orchestrated all DBT Jobs using Airflow. |
| 9 - Optimized snowflake queries by using clustering keys for huge dataset, dedicated warehouse for querying, setting appropriate timeouts for workloads. |
| **Skills/Domain:**GCP Cloud Storage, Cloud Functions, Fivetran, Snowflake, DBT, Code Build, Cloud Run, Airflow |
| **GGK Technologies Ltd December 2016 To September 2021** |
| **Media Analytics Project, USA, Hadoop and Cloud Developer** |
| **Description:**Migrating of existing modules in legacy Greenplum system to AWS Cloud ecosystem for in-memory operations & performance improvement |
| **Roles and Responsibilities:**Ram' role was to coordinate all of the team's activities, manage the client relationship, provide quality reviews for the team, and deliver on his own tactical initiatives. Some of the initiatives delivered by the team included: |
| 1 - Designed and implemented a data Ingestion framework to move the data from on premise upstream applications to AWS S3. |
| 2 - Developed python scripts to load various formatted files into S3. |
| 3 - Optimized spark jobs by analyzing execution plans. |
| 4 - Orchestrated the end to end run of the pipeline using apache airflow. |
| 5 - Implemented the transformations required in multiple stages in spark scala using dataset API. |
| 6 - Automated scripts deployment process with end-to-end CI/CD using Kubernetes and Jenkins. |
| 7 - Used Maven and GIT for version control. |
| **Skills/Domain:**Spark, Scala, Green Plum, Airflow and AWS (EMR, S3, Redshift) |
| **IOT Device Provider, Cloud Big Data Engineer and Team Lead** |
| **Description:**Ingesting huge loads of data from IOT devices and form a data lake with data from users and other business fronts to perform analytics and get insights on anomalies and marketing strategies. |
| Ram' role was to coordinate all of the team's activities, manage the client relationship, provide quality reviews for the team, and deliver on his own tactical initiatives. Some of the initiatives delivered by the team included: |
| 1 - Involved in design and development of the project. |
| 2 - Requirement gathering, analysis, preparing low level design document and business specification document |
| 3 - Configured Kafka to store the streaming logs from IOT devices. |
| 4 - Developed spark streaming jobs to process data in real time and analyze. |
| 5 - Imported the data from RDBMS into S3. |
| 6 - Implemented batch jobs to read data from Kafka every 2 hours and apply transformations and load to S3. |
| 7 - Used redshift queries to transform and join the data with user data and device data for analysis by the reporting layer. |
| 8 - Automated the entire system using Apache Airflow. |
| 9 - Configured to transfer data older than 30 days to archive layer in S3. |
| **Skills/Domain:**Kafka, Spark, S3, RedShift, SQL Server, Airflow |

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| EDUCATION: |
| Bachelor of Technology, (Electronics & Communication Engineering): Madanapalle Institute of Technology and Science, 2017 |
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| **SKILLS:** | |
| **Additional Skill(s):** | Data Analytics,Data Engineering,DE-Big Data,DE-Data Warehouse and ETL |
| **Other Skills:** | AWS | Snowflake | Cloud Architect | GCP | SQL |

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| ADDITIONAL DETAILS: |
| **Certification/Trainings** |
| Certification- Google Cloud Associate Cloud Engineer -- 2023 |
| Microsoft Azure DP 203 -- 2022 |
| Snowflake - SnowPro Core -- 2022 |
| "AWS Solutions Architect – Associate Certification" -- 2021 |
| **Awards** |
| “Star of the Month” awarded in appreciation of exemplary performance -- 2019 |
| **Links** |
| LinkedIn | [https://www.linkedin.com/in/ramprakash-reddymasi-b5ba70175/](https://www.linkedin.com/in/ramprakash-reddymasi-b5ba70175/#https://www.linkedin.com/in/ramprakash-reddymasi-b5ba70175/) |
| **Attachments** |
| AWS Certified Solutions Architect - Associate | AWS Certified Solutions Architect - Associate certificate (1).pdf |
| **Other Details** |
| Languages | English, Telugu, Hindi |