

Harika Bhavani Lakkimsetti

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SKILLS

SQL, Python, Pyspark, AWS services, Terraform, Postman API, Splunk, Jenkins, Datadog, DB2, Docker, Vertex AI, Matillion, Informatica, Tableau, Power BI, Snowflake, Machine Learning (Basics)

WORK EXPERIENCE

Senior Software Engineer TEKsystems Global Services - Hyderabad, Telangana
Present

Aug 2021 –

Backend AWS Developer / Senior Data Engineer

PROJECT : Best Western International

- Led the development and successful implementation of new features using different **API** by writing and refining **Python** code, aligning the solutions closely with user requirements. Coding and Rigorous testing resulted in a 30% increase in user satisfaction, demonstrating my ability to deliver high-quality solutions quickly and effectively. (Serverless – AWS Lambda)
- Quickly identified and resolved production issues using **Splunk** and **AWS CloudWatch**, ensuring uninterrupted system operation. By developing efficient troubleshooting techniques and automating parts of the resolution process with **Jenkins**, reduced issue resolution time by 40%, significantly boosting system uptime and user satisfaction.
- Evaluated and aligned user requirements with project objectives by leveraging AWS services such as **AWS Lambda, Amazon API Gateway, VPC, DynamoDB, and S3**.
- Successfully replicated disaster recovery orchestrated through **Terraform**, Validated disaster recovery protocols locally using **Postman**, achieving a 100% success rate in recovery tests.
- Proactively monitored the production environment using **Splunk, Datadog**, facilitated deployments, and provided ongoing support, ensuring 99.9% system uptime and user satisfaction.

Data Engineer

PROJECT : GuideWire

- Utilized **AWS Glue** and **PySpark** for near real-time ETL transformations on data from native S3 buckets before loading it into SQL Server databases for downstream reporting and analysis.
- Configured AWS Glue Crawlers to automate schema discovery and catalog management, ensuring accurate and efficient data processing.
- Leveraged **Amazon Athena** for ad-hoc querying of data in S3, enabling faster insights without moving the data.
- Ensured seamless integration with existing downstream processes for reporting and analysis in SQL Server and **Redshift**, minimizing disruptions.
- Done and dusted a new Matillion ETL job which structured and automated data validation for 90 million records, acted as a savior of time and reduced the manual efforts by 50%.
- Troubleshooting and debugging Matillion ETL pipelines, ensuring seamless data flow and optimal performance.

Data Engineer

PROJECT : T Rowe Price

- Successfully migrated DB2 tables to PostgreSQL, optimizing data management and enhancing database performance.
- Implemented robust development and testing methodologies, unit testing, and integration testing, resulting in a 40% reduction in bugs and a 25% decrease in development time.
- Worked on different spikes related to Vertex AI pipelines and building various ML models using Vertex AI

PROFESSIONAL CERTIFICATES, AWARDS

Certified AWS Solutions Architect – Associate, Certified AWS Developer Associate
Received **SPOT** award in 2022 for consistency in various projects.

EDUCATION

Bachelor of Technology in Computer Science and Engineering

GPA 9.04/10 Jul 2017 - Jul 2021

GITAM University, Visakhapatnam, Andhra Pradesh, India

Production Designer Lead in ACM Student Chapter, Core Committee Member NSS