Kamal Kumar

Data Engineer

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WORK EXPERIENCE

Nagarro Software

Data Engineer

Gurgaon | Oct 2019 - current

- Designed and implemented a real-time data pipeline to process semi-structured data by using Kinesis streaming and Lambda function then stored processed data in Datalake. A separate lambda was developed to process that data to atomic bucket in parquet format and exposed over Athena by using Glue crawler.
- Designed the data pipeline architecture for a new product that quickly reads the data from temporary storage and store it into S3 with partitions then process that data into DynamoDB by using lambda. That data was exposed via api gateway to downstream systems.

Accenture

Data Engineer

Gurgaon | Oct 2018 - Oct 2019

- Automated ETL processes across billions of rows of data which reduced manual workload by 33% monthly
- SQL Advisory Automation is a custom developed splunk application, which intracts with oracle db and suggests sql recommendation and awr report for various db instances.
- Ingested data from disparate data sources using Python or shell scripting to create data views to be used in tools like Splunk

Clavax Technology

Senior Software Engineer

Gurgaon | January 2016 - Oct 2018

- Designed and Developed microservices, rest api and webservices for multiple projects
- Involved in development and maintenance of various modules frontend and backend functionality with localization or custom newsletter implementation
- Worked on multiple web technologies like PHP, Django, flask and JavaScript

Radiansys Technology

Software Engineer

Gurgaon | Nov 2014 - Jan 2016

- Worked alongside another developer to implement RESTful APIs in Django and java script templates and admin panel for web and mobile assignments.
- Participated in all phases of a product/web development cycle from coding, debugging, unit testing and Maintenance.

SKILLS

- Python, Go, Shell
- AWS (Athena, Lambda, S3, Kinesis, SQS, SNS, Cloudwatch, Glue crawler, Spark job)
- ETLs
- SQL (Postgres, MySQL)
- NoSQL (MongoDB, DynamoDB)
- Spark, Kafka
- Terraforms, Cloud Formation
- Ansible, Rundeck
- Git

EDUCATION

Bachelor of Technology

Information Technology

Maharshi Dayanand University

Haryana

August 2009 - June 2013

Post Graduation Diploma in Advance Computing

Computer Science

CDAC

Feb 2014 - August 2014

Datalake

Data Engineer

- DataLake is a storage for several types of Hybris and MDMS data, which serves as source for quicksight analytics, microservices, report generation, Jasper invoice

  generation and any other consumers.
- Involved for writing the consumer that will read the data from kinesis and push it into s3 on partition basis with overriding mechanism. Apart from this implemented sqs consumer, sns notification and lambda for parquet conversion and glue crawlers to expose the data over Athena.

GOEP

Data Engineer

- Project involved the development of website solution and its operations. The online presence in multiple countries is enabled by the Global Online Expansion Platform with integrated AO and IO. Operations involve warehouse and store management with Hybis, Sap and Jboss system. Key Challenges in my contribution to the project:
- Predictive modeling on imbalanced dataset of DB parameters for predicting the DB application waits in advance. DB waits have very high impact on site's runnability. In case of application waits encountered whole site needs to be put on maintenance which results in heavy loss to the client.
- To meet performance KPI operation team has to periodically and rigorously optimize the SQL Queries manually, thus consuming a lot of time.

Equity Street

Software Engineer

- Client provides the joint venture capital designed for serious rehabbers who are successfully buying and selling properties throughout the country.
- Project involved development in multiple phases having multi step registration procedure with some verification steps. There were many users like rehabber, contractor, dealer and sellers with their defined roles and different processes for entering into the system.

Casamozambique.co.mz

Software Engineer

- casaMozambique is a real estate market platform that connects buyers, renters, and property owners for the purpose of negotiating and conducting property transactions.
- Project involved multi lingual development in English and Portuguese. It includes property type like condominium and resorts with different specifications.It also includes newsletter and magazine to help people to know more about property.

https://kemgo.com,market.kemgo.com

Software Engineer

- Project involved the development of a petrochemical e-commerce portal where seller can sell their products through marketplace, auctions and bidding. It also involved buyer to raise inquire product to supplier through auction and marketplace.

JIM

Software Engineer

- Jump into English and Mathematics is the internal system that is used for instruct the users from Spanish to English. This includes assessment, lesson, quiz and

  activities. There are multiple level users has their own roles and responsibilities to handle the system.