

Prasanna Kumar

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SKILLS

Platforms: Google Cloud Platform, Amazon Web Services, Microsoft Azure, Palantir Foundry, Apache Hadoop

Languages: Python, SQL, Scala, Java, Javascript(NodeJS/ReactJS),HiveQL, Shell scripting

Cloud Tools: AWS S3, Lambda, EC2, Kinesis, Glue, Athena, DynamoDB, CloudSQL, Dataproc, Dataflow

Data warehouse Tools: Google BigQuery, AWS Redshift, Databricks Lakehouse

Other Tools/Frameworks/Libraries: Jenkins, Docker, Kubernetes, Git, Jira, Pandas, Numpy, JSON/XML parsing, Efficient Handling of CDC, Data Governance, Validation, Profiling, Cleansing and Compression Techniques

EXPERIENCE

Accenture

Hyderabad, India

Senior Data Analyst

Dec 2018 – Dec 2021

- Led the design and implementation of a scalable data processing solution using Google BigQuery and Python, resulting in a remarkable 35% increase in data processing speed while reducing costs by 25%.
- Utilized SCD Type 2 methodology to construct intricate tables in the processing phase, resulting in reducing data update errors by 30%. Conducted thorough unit testing and ensured seamless collaboration through Jira.
- Collaborated with the product team to analyze existing data and on-premise code, identifying current business requirements, anomalies, and challenges, resulting in a 20% reduction in data-related issues. Provided valuable insights that led to a 25% improvement in dashboard reporting accuracy in the GCP solution, resulting in more informed decision-making for the organization.
- Developed stored procedures for dimension and fact tables incorporating common table expressions (CTEs) to optimize data processing, reducing processing time by 30% and enhancing data warehousing efficiency.
- Enhanced data analysis capabilities by optimizing end-to-end ETL pipelines on Google Cloud Platform, leading to a remarkable 65% improvement in query performance. Additionally, applied metadata column mapping using Python custom functions for streamlined data processing.
- Successfully led the migration solution for United Airlines,GMI Foods Inc leveraging advanced technologies such as PySpark, Palantir Foundry, and Google BigQuery, delivering a 40% enhancement in customer analytics.

Kogentix

Hyderabad, India

Data Analyst

Jan 2017 – Dec 2018

- Managed a team of 15 professionals in a critical manual labeling project for Sempra Energy, ensuring correctness and consistency in labeled data for training Computer Vision ML models, achieving an 85% Accuracy rate.
- Adopted AWS Groundtruth and automated image labeling jobs using Python API which cut down 90% of efforts and saved hundreds of man-hours.
- Expertly applied complex mathematical algorithms, processing over 50 TB of data, and realized a 30% drop in data processing time through optimization and parallelization techniques.

Tata consultancy services

Chennai, India

Test Data Engineer

Sep 2015 – Dec 2016

- Spearheaded the identification and resolution of critical bugs within a Big Data environment, collaborating with cross-functional teams to streamline development processes. Achieved a significant 20% cost reduction through efficient bug. identification, contributing to the success of Big Data-driven product launches.
- Conducted Big Data testing for scalability, reliability, and data integrity, utilizing industry-standard test automation tools like Apache Spark and Hadoop ecosystem components, leading to a 30% decrease in test execution time.
- Proficiently managed regression testing with over 95% coverage to prevent new defects or regressions in Big Data pipelines. Efficiently utilized Jira for defect reporting, reducing issue resolution time by 20% and actively contributed to defect triage meetings.
- Developed and maintained comprehensive test documentation for Big Data projects. Collaborated with stakeholders to optimize Big Data testing processes, achieving a 20% efficiency boost.

CERTIFICATIONS

- AWS Certified Data Analytics Specialist

Aug 2023 – Aug 2026

EDUCATION

- **Indiana University Bloomington**

Bloomington,USA

- *Master of Computer Science*

Expected Dec 2023

- **Vignan University**

Vadlamudi ,India

- *Bachelor of Technology in Electronics and Communication Engineering*

Aug 2011 – Aug 2015