

# Shivakrishna Bade

Greater St. Louis Area

Data Engineer | BigData | AWS | GCP | ETL | Python | Airflow | Hadoop | Hive | Spark | Scala  
| SQL | Analytics | Tableau

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## Summary

- 7+ years of experience as Principal Data Engineer, Senior Data Engineer, Data Engineer in Dimensional Modeling, ETL Development, Data Engineering, Big Data Analytics, Business Intelligence, Data Science
  - Implemented full cycle Data Analytics and Data Science projects in production including Source System Analysis, ETL Data Pipelines, Data Engineering, Data Modeling (Star, Snowflake Schema), Data Warehouse Development (Facts, Dimensions (Type -1,2,3), Data marts), Data Lakes, Data Quality Testing between Source and Target Systems, Scheduling data load jobs on Server, streaming, Batch, Ad-Hoc, History, incremental loading techniques
  - Excelled in RDBMS, Big Data, Cloud, ETL, Data Engineering Supporting Data Science/BI Teams
  - RDBMS - Oracle, Postgres, MySql, Oracle 12c, Sql Server, MySQL
  - Big Data - Hadoop, MapReduce, Hive, Impala, Spark, Scala, Python, Airflow
  - Cloud - GCP, BigQuery, DataFlow, DataProc, AWS, S3, RDS, RedShift, Athena, Presto, Kinesis
  - NoSQL - MongoDB, Dynamo, Cassandra
  - MPP Databases - HP VERTICA, Redshift
  - ETL/ELT - Oracle Data Integrator, Informatica, Talend, Ab initio, Airflow
  - Business Intelligence - Tableau (Desktop and Server), Qlik View, Looker, Kibana
  - Social Media Analytics - Facebook API, LinkedIn API, Twitter API, Google Analytics API
  - Data Science - Python, R, Prediction, Clustering, Segmentation
  - API Replication - Salesforce, Service-now, Google Analytics, BigQuery, Twitter, LinkedIn
  - Programming - Python, Java, R
  - Excellent grasp of Waterfall and fast paced Agile/SAFe -Scrum Software Development methodologies (Prioritization, Bi Weekly Sprints, Weekly Grooming/Planning, Retrospectives, Product Demos, PI)
  - Business Functions: Sales, Sales Operations, Marketing, Business Development, Supply Chain, Manufacturing, Inventory Management, Finance, Human Resources, Information Technology
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## Experience

### Principal Data Engineer at Equifax

January 2019 - Present (9 months)

- Extract raw data from transactional systems, load into Cloudera Hadoop HDFS/ Hive
- Apply business rules and transform data, load into Hive/Impala Data warehouse for Analytics
- Use Airflow/ Python framework ETL jobs creation, scheduling, administration
- Automated Encryption/Decryption process for time sensitive data in Linux system with Python
- Automated Project directories, Github/Bitbucket repository creation with Python, Bash
- Creating schemas, users, user roles, administering Postgres database access, schemas
- Expert with BigData toolset HDFS, MapReduce, Hive, beeline, Impala, Hue, and Spark
- Preparation for Google Cloud migration from Cloudera and Oracle on-premise systems
- Expertise in GitHub, Slack, Zoom, Atlassian tools Jira, Bitbucket and Confluence
- Architected Production Elastic Search Cluster (Elastic, Logstash, Kibana)

### BI/DW Developer - Data Engineer at World Wide Technology

May 2015 - January 2019 (3 years 9 months)

- Analyze business needs, collect requirements for analytics, data science
- Translate business requirements to dimensional models, data warehouse specs
- Design star, snowflake schemas, facts, dimensions (type-1, type-2, type-3)
- Designed, developed, deployed facts, dimensions, data marts, data stores
- Develop, test, and deploy Extract, Transform, Load (ETL) processes
- Enhance database performance with query optimization, indexes, tuning, explain plans
- Implement new functions, features, capabilities of analytics applications
- Enhance productivity with tools development, leveraging new technologies
- Extracted data from REST APIs using Java, transform data from JSON, XML to tabular
- Integrated salesforce, service-now data from cloud, created datasets for Data Science
- Created ad-hoc queries, database views, data marts, tableau data sources for reports
- Developed tableau data sources, reports, dashboards on salesforce, service-now data
- Extracted google-analytics from corp website, created reports on geospatial traffic
- Extracted visitors data from cloud REST API and created reports for potential customers
- Developed regression algorithm in Python to predict the sales opportunity probability
- Analyzed supply chain business process developed dimensional model for PO data
- Architected, Developed, Deployed DW from Oracle to VERTICA multi-node MPP system
- Developed processes for migrating on premise environment to Oracle Cloud

### Graduate Student at Missouri S&T

August 2014 - July 2015 (1 year)

- Setup and configured ERP Functional modules in SAP ECC Client 6.0
- Excellent knowledge in ERP modules in sales-marketing, supply-chain and finance

- SDLC methods- analysis, detailed design, development, deployment and support
- Database design, development and maintenance with Toad using Oracle 11i
- Acquired knowledge on dimensional modeling, star and snowflake schema, datamarts
- Built sales analysis fact table using star schema dimensional model ETL in SAP BW and BOBJ
- Practical experience with OLAP, ad-hoc reporting using Business objects and Tableau
- Built & deployed dashboard using SAP Business Objects for market analysis of customers
- Learnt and dealt with important principles of Project Management

## BI/DW Developer - Data Engineer at Jio

June 2012 - July 2014 (2 years 2 months)

- Extract raw data from customer applications load into Hadoop HDFS/ Hive
- Apply business rules and transform, build data pipelines to load into Hive/Impala Data lake
- Use ODI/Airflow framework ETL data pipelines jobs creation, scheduling, administration
- Real-time data ingestion using Spark streaming, Kafka and golden gate into HDFS, Hive
- Create datasets for Business Intelligence, Data Science, Analytics and Custom reports
- Create Tableau datasources, live connections, automate extract schedules, user access
- Developed Business Intelligence reports, dashboards, KPIs in Tableau with multi datasources
- Creating schemas, users, user roles, groups administering Oracle Data Warehouse access
- Expert with BigData toolset Hadoop, MapReduce, Pig, Hive, Impala, Spark, Python
- Automate and Deploy Data Science models into production, applications, Identify metrics
- Expert in Dev-Ops architecture, Linux and Windows servers , Bash, Shell scripting

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## Education

Missouri University of Science and Technology

Master of Science - MS, Management Information Systems, 2014 - 2015

Activities and Societies: Organizer - Indian Association Diwali Umpire - Football Intramural competition Volunteer -Celebration of Nations

National Institute of Technology Warangal

B.Tech, Electronics and Communications Engineering, 2008 - 2012

Activities and Societies: • Coordinator of College Cricket Club • Active volunteer, donor and participant in activities of Education for All India • Worked in Childline India organization for protection of child rights and against child labor

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**Linked**  **Recruiter**