





# Chirag Bhansali

Senior Data Engineer  
Database Architect

## PROFILE

Accomplished and results-oriented professional with over 9 years of experience in developing and managing data pipelines, database design, development, administration, architecture, management, and maintenance of superior database architecture. Diligent Data Engineer and Database Architect possessing expertise in Python, PySpark, SQL, NoSQL, Tableau, HTML, JavaScript, Oracle, MongoDB, PostgreSQL, MySQL with on premise and AWS cloud infrastructure. Proactive leader with capability of supervising and managing teams efficiently and attain project objectives.

## CONTACT

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## EXPERIENCE

### CapitalOne (Chicago, IL, United States) Senior Data Engineer

09/2020 - Present

- Implemented Auto Registration tool for various datasets (including tables & S3 files datasets) with serverless architecture utilizing HTML/CSS, JavaScript, Snowflake, DataBricks, AWS S3 buckets, lambda, Route53, DynamoDB, API gateways, Tableau, Git & Jenkins
- End to End architecture, design, and development for Tableau Dashboards to show dataset registration status and send out automatic emails to defaulters using Tableau, Python, AWS EC2 and AWS CloudFormation templates

### Mediaocean (Pune, MH, India) Database Architect

09/2015 - 08/2019

- Implemented business friendly self-serve analytics platform using Jupyter notebook which enabled the functional users to conduct complex data operations without any technical dependency
- Led efforts to implement interactive dashboards for executives giving them an intuitive view to monitor database migration status. Tech stack used - Python, Snowflake & Tableau
- Led end to end SDLC – requirements, design, architecture, implementation and testing of robust transactional OLTP database systems and OLAP data warehouse using Oracle 12C RAC, ASM, Data guard and OEM which improved product performance by 33%
- Initiated and successfully operationalized AWS RDS, EC2, redshift, and DMS services
- Formulated database standards attaining swift deployment, optimum performance, & business customer flexibility for Oracle, MongoDB, Postgres, MySQL & SQL server databases
- Minimized ETL completion time by 60% through performance tuning and queries redesign

### Tata Consultancy Services (Pune, MH, India) IT Analyst

09/2010 - 03/2015

Led the end to end live database and systems operations for a major banking organization. Responsibilities encompassed tuning queries and database, performing backup/recovery as well as data export/import utilizing Data Pump, authentication, auditing, database monitoring, patch installation, and other DBA tasks ensuring 24x7 support. Led a team of 12 members - Database and System admin team and was responsible for task delegation, training, overall delivery management and performance management.

- Designed and implemented security monitoring tool to capture real time alerts and detect intrusions on computer networks
- Minimized query time by 80% by fine-tuning oracle financial application queries

## SKILLS

- Python
- PySpark
- Database Administration (Oracle, Postgres, MySQL, Mongo)
- SQL (Oracle, Postgres, Snowflake, MySQL)
- NoSQL (Mongo, DynamoDB)
- ETL
- Tableau
- AWS (S3, Lambda, EC2, RDS, DynamoDB, CloudWatch, DMS)
- HTML / CSS / JavaScript
- Flask
- Git

## EDUCATION

**Illinois Institute of Technology**  
**M.S. in Data Science**  
Chicago, IL (United States)

**Rajiv Gandhi Technical University**  
**B.E in Computer Science**  
Indore, MP (India)

## CERTIFICATIONS

- ITIL foundation certificate in IT Service Management
- Oracle Database 11g Administrator Certified Associate
- Oracle Database SQL Certified Expert