# **Chandan Kumar**

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**SUMMARY**

Focused IT Engineer bringing more than 15+ years of diversified Data analytics, Data Science, Data visualization, Data migration to cloud, big data analytics, Mainframe development expertise. Excels at identifying and solving technical issues.

**Skills**

* **Programming Languages**: Python, R programming, QlikView/Qlik sense scripting, AWS Quick sight, SQL, NoSQL, SAS, Cobol, PL1,JCL, SAS
* **Technical Skills**: Data Preparation and Analysis, Data Modeling, Data Visualization, Statistics, Programming, Regression, Hypothesis testing, Algorithm, Big Data analytics.
* **DBMS:** IBM DB2, IBM DB2 Analytics Accelerator, IMS, PostgreSQL, Hive, AWS RDS, AWS Datalake(S3 bucket), MongoDB,DynamoDB.
* **Monitoring and BI:** Splunk, Control-M, Business Intelligence Dashboard(QlikView/QlikSense)
* **Tools:** VScode, R Studio, matplotlib, numpy, pandas, Putty, Jupyter Notebook, AWS, Trillium, SAS EG, IBM Data Studio, Athena, Quick Sight, QlikSense/QlikView, Gitlab, Pgadmin, Mainframe Rumba, File-aid, Xpeditor, Changeman, Endeavor, SPUFI, DUG, IDCVIEW, ServiceNow
* **LANGUAGES**: English and Hindi

**WORK EXPERIENCE**

**DATA ANALYST**

State Farm Mutual Automobile Insurance CompanyAPR 2022 – JAN 2024

Project – P&C IDAA Product Team

* Work as Data Engineer and Analyst to Extract, Transform and load data to AWS cloud environment.
* Design, develop and test technical solution to create data pipeline process to migrate different source of data into AWS S3, create Glue catalog Tables, execute Glue crawlers, Athena queries, load data to Redshift, produce analytics dashboard using AWS QuickSight
* Developed Automated Data ingestion process to load data using Python, AWS lambda, Event Bridge to S3 bucket, capture job run time logs under DynamoDB.
* Developed NoSQL scripts to query and perform analytics for MongoDB data available on AWS EMR cluster.
* Preparation of Design document, Conducting Unit test and System test
* Perform Data analysis using pyspark, sparksql, hive, numpy, pandas, matplotlib, regression analysis.
* Utilize Business Intelligence tools like AWS QuickSight, Qlikview/QlikSense to design and manage visualization dashboard solution.
* Version Management of constructed code and deployment in different regions.
* Coordinate with client, product owner, end users and development team for development and project timelines
* Partner with various enterprise teams to build end-to-end business value and outcomes framework.

**Data AnalysT**

State Farm Mutual Automobile Insurance CompanyMAY 2019 – MAR 2022

Project – P&C IDAA Product Team

* Work as Data Engineer and Analyst to Extract, Transform and load data to AWS cloud environment.
* Design, develop and test technical solution to create data pipeline process to migrate different source of data into AWS S3, create Glue catalog Tables, execute Glue crawlers, Athena queries, load data to Redshift, produce analytics dashboard using AWS QuickSight
* Create automated data Ingestion solution using python, S3, AWS lambda, AWS Event bridge and DynamoDB.
* Preparation of Design document, Conducting Unit test and System test
* Perform Data analysis using pyspark, sparksql, numpy, pandas, matplotlib, regression analysis.
* Utilize Business Intelligence tools like AWS QuickSight, Qlikview/QlikSense to design and manage visualization dashboard solution.
* Version Management of constructed code and deployment in different regions.
* Troubleshooting, Causal analysis for all the defects and providing the resolution for the same.
* Coordinate with client, product owner, end users and development team for development and project timelines
* Partner with various enterprise teams to build end-to-end business value and outcomes framework.

**Data Engineer and Analyst**

Tata Consultancy ServicesFEB 2015 – APR 2019

Client - State Farm Mutual Automobile Insurance Company

Project – Data Extraction and Analytics

* Work as a Data Engineer to Extract, Transform and load data to IBM DB2 Analytics Accelerator and Hadoop clusters.
* Design, develop and test technical solutions to create data pipeline processes to migrate different sources of data into IDAA and Hadoop clusters.
* Preparation of Design document, Conducting Unit test and System test
* Migrating legacy data(IMS/DB2) into IDAA environment and Hadoop environment.
* Utilize Business Intelligence tools like Qlikview/QlikSense to design and manage visualization dashboard solution.
* Version Management of constructed code and deployment in different regions.
* Troubleshooting, Causal analysis for all the defects and providing the resolution for the same.
* Coordinate with client, product owner, end users and development team for development and project timelines
* Partner with various enterprise teams to build end-to-end business value and outcomes framework.

**Data Analyst**

Tata Consultancy ServicesAPR 2013 – JAN 2015

Client - State Farm Mutual Automobile Insurance Company

Project – Data Profiling and Assessment

* Code to Extract, Transform and load data IMS data to Trillium and SAS environment.
* Perform Data profiling, statistics and assessment to detect anomalies in source data.
* Collecting metrics and reporting to client manager on key findings
* Provide appropriate corrective actions based on key findings.
* Fixing or transforming the data at source before data migration
* Validation of data between source and target after migration.
* Preparation of Design document, Conducting Unit test and System test
* Version Management of constructed code and deployment in different regions.
* Troubleshooting, Causal analysis for all the defects and providing the resolution for the same.
* Coordinate with client, product owner, end users and development team for development and project timelines
* Partner with various enterprise teams to build end-to-end business value and outcomes framework.

**IT Analyst – Mainframe development**

Tata Consultancy ServicesAUG 2011 – MAR 2013

Client - State Farm Mutual Automobile Insurance Company

Project – Auto Fetchable and Auto DBVAL

* Preparation of development plan and test plan for the respective modules.
* Evaluate the business requirements, create detailed design specifications and manage the change activities.
* Preparation of test cases and test case execution
* Identify and track defects, code reviews, IQA and EQA
* Be responsible for the quality and timeliness of the Deliverables.
* High level design, low level design and sequence diagrams for the required feature implementation.

**IT Analyst – Mainframe development**

Tata Consultancy ServicesNOV 2010 – AUG 2011

Client - State Farm Mutual Automobile Insurance Company

Project – Underwriting Decision Process

* Preparation of development plan and test plan for the respective modules.
* Evaluate the business requirements, create detailed design specifications and manage the change activities.
* Preparation of test cases and test case execution
* Identify and track defects, code reviews, IQA and EQA
* Be responsible for the quality and timeliness of the Deliverables.
* High level design, low level design and sequence diagrams for the required feature implementation.

**SOFTWARE ENGINEER**

Software Paradigm InfotechAUG 2008 – NOV 2010

Client – Ahold USA

Project – Ahold Information System, USA

* Preparation of development plan and test plan for the respective modules.
* Evaluate the business requirements, create detailed design specifications and manage the change activities.
* Preparation of test cases and test case execution
* Identify and track defects, code reviews, IQA and EQA
* Be responsible for the quality and timeliness of the Deliverables.
* High level design, low level design and sequence diagrams for the required feature implementation.

**Education**

Vinayaka Mission University, India MAY 2008

**Bachelor of Technology, Engineering (ECE),** CGPA, 7.6

**certifications**

* AWS Cloud Practitioner 2020
* SPLUNK Power User 2017
* LOMA ALMI2017
* ITIL Foundation 2014
* IBM DB2 Fundamentals 2012