

# SATISH KUMAR

## Skills

- **Databases:** SQL (SQL Server, MySQL, PostgreSQL)
- **Programming Languages:** Python (Pandas, NumPy, SciPy, Matplotlib, PySpark), UNIX Shell Scripting, Power BI
- **Reporting Tools:** Tableau, AWS, Amazon Redshift or Azure, SSRS, SSIS, ETL
- Excel (VLookup, Conditional Formatting, Pivot Tables)
- Microsoft Azure (DataBricks, Azure Data Lake, Azure Data Warehouse)
- **Operating systems:** Windows Linux, Unix, MS DOS.
- **Other Skills:** Data Cleaning, Data Wrangling, Critical Thinking, Communication Skills, Presentation Skills, Problem Solving

## Projects

### DIGITAL MUSIC SHOP DATA ANALYSIS USING SQL – Personal Project

Analyzed music store data using advanced SQL queries to identify gaps and increase business growth.

### BOXING DAY SALES DATA ANALYSIS USING PYTHON – Personal Project

Performed exploratory data analysis on Boxing Day sales data using Python to improve the customer experience.

### POWER BI SALES DASHBOARD PROJECT – Personal Project

Designed a power bi dashboard for Ecommerce Store to track and analyze the online sales data across India.

### MULTI MODEL SALES FORECAST TIME SERIES FORECASTING – Personal Project

Used multiple machine learning models to forecast sales (retail store) and performed time series analysis.

### CUSTOMER SEGMENTATION USING CLUSTERING MODEL – Personal Project

Developed a ML model to give various recommendations of financial products & services on target customer groups.

## Work Experience

### CLOUD/DATA ANALYST

**BMO FINANCIAL GROUP** – Vancouver, BC

Dec 2021 – May 2024

- Led data analysis projects, delivering insights that improved decision making and operational efficiency, and developed comprehensive reports to drive strategic initiatives.
- Designed and deployed scalable, highly available systems on AWS, including building a fault tolerant VPC from scratch and using Terraform for infrastructure management.
- Utilized advanced tools like Google Analytics, SQL, and Adobe Analytics for trend identification and actionable recommendations, and applied similar rigor in configuring and managing cloud resources.
- Built and configured EC2 instances, applying security policies using Security groups and Network ACLs, and implemented autoscaling and Elastic Load Balancers (ELB) for handling traffic.
- Developed and maintained ETL jobs using Informatica and Oracle PL/SQL, integrating data from Siebel CRM with downstream systems, and managed data ingress/egress to and from AWS S3.
- Implemented CI/CD pipelines using Jenkins, Nexus, and Ansible, and managed Docker microservice applications, automating configurations and deployments for efficiency.
- Conducted unit testing, UAT, and system integration testing, and used AWS CloudWatch for monitoring and alerting of servers and storage.
- Collaborated with cross functional teams to streamline processes and translate business requirements into technical solutions, enhancing productivity and system reliability.

## **CLOUD SYSTEM ADMINISTRATOR**

**CGI**— Toronto, ON

Jan 2019 – Nov 2021

- SQL: Managed and optimized databases with SQL queries for efficient data retrieval and reporting.
- Database Administration: Administered databases to ensure data integrity and performance
- Python for Automation: Created Python scripts for automating EBS volume snapshots and managing IAM user permissions.
- Python for Data Handling: Used Python to process data and integrate with AWS services.
- VM Creation: Administered VMs using VMware and VirtualBox.
- System Upgrades: Performed OS upgrades and installed software and patches.
- Network Security: Maintained Linux Firewall and implemented network security measures.
- Monitoring: Configured CloudWatch alarms and monitored system performance.
- Application Servers: Installed and configured Apache Tomcat and JBoss application servers.
- AWS Integration: Integrated on-premises IT with AWS Storage Gateway and configured S3 Buckets for backups.
- Infrastructure Automation: Defined AWS resource configurations with AWS CloudFormation.

## **Education**

**BACHELOR OF SCIENCE** – Biju Patnaik University of Technology – Berhampur, Odisha, India

2007 – 2011