

BANUCHANDAR ESAKKIMUTHU

Mississauga, ON L5V 1B4
(437) 559-6655 | | www.linkedin.com/in/ebanuchandar | | bcesakki@hotmail.com

Professional Summary

A highly experienced Data Analytics professional with over 7 years of diverse industry experience in Semiconductor, Tire & Steel Manufacturing, E-Commerce, Fleet Management, Information Technology, and Government Agencies, with expertise in Business Intelligence, Data Analytics, Data Modeling, and Database Design. Proficient in working with SQL Server, Snowflake, GCP BigQuery, Tableau, Power BI, and Python. Recognized for the ability to extract meaningful insights from complex data sets and translate them into actionable recommendations for the business. Possesses strong problem-solving, communication, and collaboration skills. **Core Competencies includes:**

- Project Management
- Leadership
- Cultural Intelligence
- Big Data
- Change Management
- Time Management
- Data Governance
- Data Mining
- Innovation

Computer Proficiencies

- Jira
- Confluence
- Azure DevOps Server
- Azure Data Studio
- Azure Cloud
- SSIS, SSRS
- MS Excel
- MS Visio
- MySQL
- C#
- GitHub
- Assembla
- Bitbucket
- Visual Studio
- Visual Studio Code
- HTML
- IIS
- UXPin
- Angular
- Hive
- SolidWorks
- AutoCAD
- Oracle Developer
- Team Center
- AWS

Professional Experience

Senior Data Analyst, Micron Technology, Hyderabad, India

2021 – 2022

Micron Technology is a global leader in innovating memory and storage solutions, driving the transformation of information into intelligence, and empowering advancements across various industries

- Created Tableau Dashboards and proactively monitored traceability KPIs to detect production and data quality issues in NAND, DRAM, and Module/SSD products across Package Assembly and Test processes by leveraging data from Snowflake, GCP BigQuery, Hive, and SQL Servers to ensure early detection
- Developed and designed visually engaging Power BI dashboards, incorporating complex calculated measures using Data Analysis Expression (DAX), to effectively track projects and relevant metrics
- Automated and scheduled the weekly email distribution of Power BI reports to 30 team members, streamlining the weekly status review process through Power Automate workflows
- Analyzed databases in Snowflake and SQL Servers to create complex SQL queries utilized in 10 Tableau Dashboards, facilitating comprehensive data analysis
- Optimized Tableau Dashboard performance and prevented production-related database slowdowns by scheduling strategic data extractions during low production and computation times
- Collaborated with the Data Engineering Team to validate data and identify erroneous information by analyzing databases in Google Cloud Platform's BigQuery, ensuring data accuracy and reliability
- Conducted thorough exploratory data analysis using Snowflake and pandas to validate hypotheses, identify patterns, and extract meaningful insights for informed decision-making
- Performed meticulous data wrangling from disparate systems, enabling root cause analysis for traceability-related issues and providing actionable recommendations
- Managed system integration and Data Projects, enabling traceability and yield parameter tracking of memory products in the Test process by enabling ingestion of machine log files into Snowflake for comprehensive data management

BANUCHANDAR ESAKKIMUTHU

(437) 559-6655

|| www.linkedin.com/in/ebanuchandar

|| bcesakki@hotmail.com

Data Analyst | Data Engineer, Prodictics LLC, Naperville, Illinois, USA

2016 – 2021

Worked on Projects for a wide range of solutions including data capturing & analysis, Manufacturing, Inventory, Distribution, Cloud, and Industrial Process Automation solutions for the following Clients:

Continental Tire, Mt Vernon, Illinois, USA

- Utilized SQL Server and Rockwell Automation's PLCs to analyze and interpret Big Data, drive process improvements and resolve complex manufacturing, PLC, and IT problems for enhanced production efficiency
- Developed ETL pipelines to streamline data flow and enable seamless data utilization across diverse manufacturing processes, resulting in improved operational efficiency by utilizing SQL jobs, Store Procedures, and SSIS packages
- Conducted comprehensive analysis of Financial Data in SQL Server to ensure accuracy of data utilized in the Fiscal Year Financial Report website by implementing quarterly data cleansing processes to eliminate erroneous data
- Successfully managed multiple project development, releases, and server migrations across four facilities in the United States, to improve the security and computational capabilities of the IT infrastructure

Illinois Board of Higher Education, Springfield, Illinois, USA

- Proposed and executed the implementation of the Illinois longitudinal data collection system (analytics application), encompassing data modeling to reduce file processing time by 70%
- Defined and established business processes for new web applications utilized in institution/course approval and the Illinois longitudinal data collection system to ensure alignment with organizational objectives by collecting and documenting business requirements
- Developed and monitored ETL pipelines to add/update course entries and facilitate data compliance within the institution/course approvals application by integrating the legacy system with the application, ensuring data accuracy and transformation
- Collaborated with stakeholders to create and document comprehensive data governance policies for the Illinois longitudinal data collection system by following data management best practices and compliance standards

ArcelorMittal, Burns Harbor, Indiana, USA

- Analyzed inventory systems, IT infrastructure, and databases (SQL Server and Oracle) to enhance operational efficiency and productivity through process mapping, gaps analysis and recommended process improvements
- Implementing inventory applications and databases for tracking coils to achieve improvements in productivity (75% reduction in audit time) and quality (saved \$5M per quarter on coil quality claims shipped via rail), also reduced manual labour by 50% through automated data consolidation
- Supported data management and application functionality to establish a robust data infrastructure for five web applications and four tablet apps by creating SQL Server and Oracle database schema, including tables, views, and triggers
- Collaborated with stakeholders from various departments to validate system and business requirements by ensuring alignment with organizational objectives and smooth project execution

Education

Master of Science in Industrial Engineering

University of Texas at Arlington, Texas, USA

(Evaluated by World Educational Services – WES as equivalent to a Canadian Master's degree)

Bachelor of Technology in Electronics and Communication Engineering

Amrita Vishwa Vidyapeetham University, India

(Evaluated by World Educational Services – WES as equivalent to a Canadian 4-year Bachelor's degree)

Certificates

IBM Data Science Professional Certificate

Coursera

2020

Six Sigma Green Belt Certification

Institute of Industrial Engineers

2013