Ratna Kireeti  
Power BI /Business data Analyst

Bellevue, Washington

PROFESSIONAL SUMMARY:



**BI Developer with around 8 years of experience** in data roles, specializing in **data analysis, database management, and data mart design**.

* **Expert** in **installing, maintaining, and troubleshooting** Personal and On-Premises Gateways, and designing custom connectors using **Power Query** and **Swagger OPEN APIs**.
* Highly skilled in **data transformations**, collaborating with cross-functional teams to gather business requirements and translate them into effective **Power BI solutions**.
* Implemented advanced calculations and measures using **MDX** and **DAX** in **SSAS**, executed end-to-end projects in the **Azure Environment**, and developed **30+ Power BI dashboards**.
* Proven track record in designing **dynamic row-level security, Power Apps, Power Automate**, and configuring **Jira projects, workflows, and custom fields**.
* **Power BI Professional** experience in **database/BI application development**, specializing in **SQL Server**. Industries worked in include **Automobile, Insurance, Banking, and Financial Services**.
* Proficient in creating **Dashboards and Reports in Microsoft Excel** using Pivots, Charts, and advanced Excel formulas.
* Extensive experience with **SQL Server Management Studio**, **SQL Server 2017/2016/2014**, and **tabular data modeling**, including **MS Excel, DB2, and MS Access Database**.
* Knowledgeable in all phases of **SDLC**, with experience in **Data Migration using SQL AzureSQL, and BI tools** like **Azure Storage, Data Factory, and Data Bricks**.
* Hands-on expertise in **Power BI**, utilizing **Power Query, DAX functions, and Power Query Editor** for efficient data visualization.
* Proficient in **Power Apps, Power Automate, and Report Builder**; skilled in developing rich-looking **Power BI Dashboards**.
* **Proficient in Extract, Transform, Load (ETL) processes**, adeptly utilizing tools like SSIS to seamlessly integrate data from various sources into a unified format for analysis.
* Demonstrated expertise in **designing and implementing robust data pipelines, ensuring efficient data flow and transformation**, thereby contributing to streamlined analytics processes.
* Highly skilled in crafting insightful and visually compelling reports using SSRS, providing stakeholders with clear, actionable insights into complex datasets.
* Possessing extensive experience, I excel in leveraging Power BI to create interactive dashboards and visualizations, adept at transforming raw data into meaningful business intelligence.
* Designed and implemented a unified data ecosystem, incorporating **Data Bricks, Azure Synapse,** and **PySpark**, to empower Power BI with comprehensive and up-to-date data sources.
* Implemented **PySpark** for big data processing, optimizing data pipelines and enabling Power BI to handle and visualize large-scale datasets effectively.
* Leveraged **Azure Synapse** to enhance data warehousing capabilities, accelerating data processing and enabling efficient reporting in Power BI
* In-depth knowledge of **Amazon Redshift**, showcasing proficiency in **optimizing database queries and performance** to handle **large-scale datasets with efficiency and precision**.
* Actively collaborated on projects integrating **ETL, SSIS, SSRS, Power BI, and Amazon Redshift,** delivering end-to-end solutions for comprehensive data analysis and reporting.
* Implementing best practices in **data governance**, I ensure **data quality, accuracy, and security** throughout the entire data lifecycle.
* A perpetual learner, I am dedicated to continuously exploring and adopting emerging technologies to enhance data processing capabilities, staying abreast of industry trends in **ETL, BI,** and **cloud computing**.
* Strongmanagement experience, teamwork building, excellent communication skills, and expertise in troubleshooting reports**.**
* **5+ years expertise** in **Power BI**, creating reports using desktop and online services, and providing user support.
* **2+** years of experience as a Software Engineer with a focus on web applications.
* Experience in designing, developing, and **implementing Cubes** and **Power Cubes**.
* Solid skills in designing catalogs, creating List reports, Freestyle Reports, Crosstab Reports, Sub Reports, and Exception Reports.
* Used Bar Chart, Line chart, Area Chart, Pie, Donut, Gauge Chart, slicers, and different levels of filters in Power BI reports according to business analysis.

TECHNICAL SKILLS:

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| **Databases** | SQL, My SQL, T-SQL, SQL SERVER, SSIS, SSRS (knowledge), Data warehousing, knowledge on Kusto, Amazon Redshift, DBeaver. |
| **Microsoft Technologies** | Azure Data Factory, Azure Data Bricks, C++, MS Azure, C#, ASP .Net, Angular, REST API |
| **Reporting Tools** | SSRS, Power BI Desktop, Power BI Service, Power Apps. |
| **Development Tools** | Visual Studio 2015/2017/2019 |
| **Operating Systems** | Windows 10/8/7, Windows Server 2016/2012 |
| **Web Technologies** | HTML, AZURE key Vault Services, AZURE VM services |
| **Web Servers** | IIS, SSMS. |
| **Version Control Tools** | Team Foundation Server (TFS), VSTS, Git, Azure DevOps, Jira |
| **Other** | Business processes optimization, creating data flows in Power BI, Power BI gateway optimization, Power Apps, Alteryx, Problem solving and Troubleshooting, Customer support and Requirements gathering. |

PROFESSIONALEXPERIENCE

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| **Title** | Sr. Power BI Consultant. |
| **Duration** | Dec 2021 to Current |
| **Client/Location** | NextEra Energy/Juno Beach Florida |
| **Tools** | Power BI, SQL Server, Amazon Redshift, Power BI Desktop, Power BI service, Visio, Power Apps, MS Excel, Share point, Jira, Azure DevOps ,DAX . |

NextEra Energy is a leading clean energy company headquartered in the United States. As one of the largest electric power companies in the country, NextEra Energy is known for its innovative approach to generating and delivering electricity. The company operates through its two primary subsidiaries: Florida Power & Light Company (FPL) and NextEra Energy Resources

Responsibilities:

* Played a pivotal role as a Senior Power BI Developer at NextEra Energy, focusing on the business unit.
* Developed essential Data Models and impactful Dashboards in Power BI Service, showcasing expertise in DAX and M Code languages.
* Created diverse visualizations, including geographical ones, to analyze financial data across NextEra Energy's locations.
* Implemented Dynamic Row-level Security (RLS) on Power BI Service for secure data access and proficiently worked with gateways to schedule reports and data updates.
* Developed custom calculated measures using DAX to address specific business needs.
* Generated Drill Down, Drill Through, Matrix Reports, and Parameterized reports using expressions in SSRS.
* Published numerous insightful reports and visualizations to Power BI service.
* Utilized Data Modeling for defining and analyzing data requirements supporting business processes.
* Created various data visualizations using Line charts, Bar charts, Tree maps, Single cards, KPIs, Maps, Pie charts, and custom visuals.
* Developed complex Custom Views using SQL Developer to create data sets for Power BI dashboards.
* Reviewed reporting outputs for transparency, consistency, and accuracy, deploying and scheduling reports using SSRS.
* Established Power BI connections to Amazon Redshift data warehouses using Direct Query, Import, and Live Connection methods.
* Crafted detailed Power BI dashboards, utilizing Redshift as the primary data source.
* Streamlined data models to align with Redshift's columnar database architecture, ensuring optimal performance.
* Configured and optimized Power BI gateways to enhance performance in Redshift connections.
* Collaborated with cross-functional Agile teams to gather user stories and deliver reports aligned with business requirements.
* Integrated data from multiple sources using Power BI, SQL, SSIS, and Python for efficient data parsing and visualization.
* Served as the technical lead, guiding the team through the development process with effective communication skills.
* Developed a unified reporting platform for NextEra Energy, providing insights into generation sites nationwide.
* Collaborated with data engineers and DBAs to optimize query performance when using Redshift in Power BI.
* Created Power BI Reports using SAP-Hana, Dataflows, and SQL databases, connecting to Power BI Service.
* Implemented Amazon Redshift parameterized, dashboard, linked, and sub-reports.
* Proficient in setting up project-level permissions and security schemes for data privacy and access control.
* Developed flows for automatic failed refresh triggering and notifications.
* Created power flows, utilized DAX, and generated dashboards and reports for Power Apps.
* Collaborated on team projects using CDS, SQL, Flow, and SharePoint to develop PowerApps applications.
* Analyzed vendor relationships, tracked buyer trends, and conducted comprehensive data tools training across departments.
* Performed testing and validation to ensure accurate data and report design, including parameter functionality.
* Integrated custom visuals based on business requirements using Power BI desktop.
* Collaborated with multiple teams to build custom energy sources and consumption reports.
* Tested data in Dbeaver using Redshift data, reducing refreshing timings and enhancing report performance.
* Guided teams and stakeholders in adapting and learning Power BI reports, offering expertise in licensing distinctions, and involved in administrative tasks for smooth report deployment.

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| **Title** | Sr. Power BI Developer with Azure |
| **Duration** | May 2020 to November 2021 |
| **Client/Location** | Microsoft/Redmond Washington |
| **Tools** | PowerBI Desktop, PowerBI service, Visio, PowerApps, MS Excel, SharePoint, SQL, Azure DevOps , Kusto, PowerPoint. |

Microsoft Cloud Hardware Infrastructure Engineering (CHIE) is the team behind Microsoft’s expanding Cloud Infrastructure and responsible for powering Microsoft Azure’s vision to be “The World’s Computer”. The Cloud Hardware Experience Engineering Team within Microsoft Cloud Hardware Infrastructure Engineering (CHIE) group is responsible for providing and servicing the hardware that powers our datacenters, improving customer experience, and manage the hardware quality of Microsoft Azure.

Responsibilities:

* Developed Power BI Reports using Azure Analytical views and SQL database connections, enhancing end-client reporting through Power BI Service.
* Created complex calculated measures using Data Analysis Expression language (DAX) for comprehensive data analysis.
* Developed multiple calculated columns and custom tables using DAX queries, publishing reports to designated Workspaces in Power BI service.
* Conducted testing and validation to ensure accurate data, report design, and proper functionality of parameters.
* Integrated Custom Visuals based on business requirements using Power BI desktop.
* Ensured Power BI dashboard data integrity by identifying missing or incorrect data elements, collaborating with relevant parties for resolution.
* Regularly communicated with MC PMs to update Short Comments and ensured accurate reporting during the NPI Dashboard publish week.
* Investigated and implemented usability improvements in ADO reporting, addressing tickets and collaborating with the NTI team for ADO enhancements.
* Tracked NPI Metrics, created KPIs, and established means to systematically pull KPIs for progress monitoring.
* Assisted in setting up On-premises data gateway server for automatic schedule refresh, supporting client infrastructure.
* Designed and implemented critical dashboards for the Cloud supply team, including Semester planning reports and NPI dashboards.
* Established Lists, modules, line items, hierarchy, and Versions for Azure DevOps Engagements reports, ensuring data accuracy and access control.
* Utilized Selective Access and Dynamic Cell Access in Azure DevOps to restrict data and access for users.
* Created Export Definitions using Actions to determine PPA approval decisions in reports.
* Maintained ADO data accuracy through proactive identification of missing data fields and investigation of rule usage.
* Developed and tracked scorecards for ADO data quality on a weekly basis, notifying responsible parties of missing data fields.
* Provisioned ALM Lifecycle management process in Anaplan by establishing Dev and Prod Environments for All models.
* Developed visual options for reports and engaged stakeholders for discussions on Power BI options.
* Installed and configured Enterprise gateway and Personal gateway in Power BI service.
* Enhanced Semester Planning Power BI report scope by systematically pulling/ updating elements and incorporating building blocks for tracking against planned PPA programs.
* Converted existing legacy Hyperion reports of fiscal plans to Power BI service platform.
* Provided ongoing maintenance, bug fixes, and development for existing and new Power BI Reports.
* Conducted weekly presentations to business users on report changes and updates.
* Developed reports at various intervals, including Yearly, Quarterly, Monthly, and Daily.
* Created team communications and information for stakeholders' meetings.
* Wrote SQL scripts for daily maintenance activities, including indexes and tables analyses.
* Researched, designed, and implemented scalable applications for information identification, extraction, analysis, retrieval, and indexing.
* Collaborated with business analysts, development teams, and infrastructure specialists to deliver high availability solutions for mission-critical applications.
* Worked closely with software development and testing teams to design and develop robust solutions for client requirements.
* Provided user support, training, and education on application development projects.
* End to End development of power bi reports I.e., from Program level to Phases and task level reports. (I.e., Program-Phases-Task>EG-Concept-Design-PPA prep-Award/P2-Build Prep-Cluster Build & Test-Clear to Dock- Engineering Pilot-Production Pilot-Stabilazation-P2G1-P2G2-P2G3)

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| **Title** | Sr. Power BI /Power Automate |
| **Duration** | February 2020 to May 2020 |
| **Client/Location** | Chevron Oil & Gas /Houston Texas |
| **Tools** | Power BI Desktop, Power BI service, Visio, PowerApps, MS Excel, SharePoint, SQL, Azure DevOps, Kusto, PowerPoint, Jira, Tableau, CDS |

Chevron is a global energy company with a rich history and a strong presence in the oil and gas industry. As one of the largest publicly traded oil companies, Chevron is involved in various aspects of the energy sector, including exploration, production, refining, and marketing.

Responsibilities:

* Provided functional and technical integration knowledge of Power BI and Common data Structures (Data verse), Business Planning and Consolidation, BI reporting tools, and functional accounting/finance processes (reports, input schedules, script logic, allocations, and distributions, trending, and forecast models)
* Communicated insights in a format that allowed management to make strategic decisions using Power Bi Reports and scheduled Automatic refresh and scheduling refresh in Power Bi service.
* Utilized data conversion transformations in SSIS to apply business rules.
* Experience with all phases of software development life cycle (SDLC) and Agile methodologies, developed Power BI model used for financial reporting of P & L and Headcount
* Assisted in system and User Acceptance Testing and performed client presentations.
* Involved in development and Production support projects that includes Data-Modeling, Data Extraction and Report generation.
* Expertise in writing complex DAX functions in Power BI and Power Pivot and Worked on all types of transformations that are available in Power bi query editor.
* Created Reconciliation report using CDS and Build STARS – Reconciliation Summary report.
* Created Decompositions reports to track chevron outlets.
* Created Parameterized Report, Dashboard Report, Linked report and Sub Report by Year, Quarter, Month, and Week
* Created Drill Down Reports, Drill Through Report by Region
* Conceived and executed A/B testing and other experimentation efforts in Power Bi
* Analyzed vendor relationships and tracked buyer trends.
* Lead training sessions on data tools across departments
* Manage the offshore team, monitor the work, and gather client requirements.
* Successfully led a project to migrate Tableau reports to Power BI, resulting in improved data visualization capabilities and enhanced data-driven decision-making for the organization.
* Transformed complex Tableau dashboards into interactive and user-friendly Power BI reports, enabling users to easily explore and gain insights from the data.

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| **Title** | Power Bi /Tableau Developer |
| **Duration** | November 2019 to February 2020 |
| **Client/Location** | T-Mobile/Bellevue Washington |
| **Tools** | SQL Server Management Studio, Microsoft Azure, Azure Analysis, Power BI Desktop, Power BI service, Power BI, SSIS, Visio, MS Excel, Tableau,Alteryx |

T-Mobile is a telecommunications company that provides wireless voice, messaging, and data services to consumers and businesses. It is one of the major wireless carriers in the United States.

Responsibilities:

* Participated in integrating and validating legacy Sprint and T-Mobile Lease data.
* Successfully migrated existing Tableau reports from Legacy Sprint to Power BI, improving report performance during the migration process.
* Conducted data analysis and validation during consolidation and migration of data to Azure data warehouse, ensuring DSnA data is the single source of truth for reporting.
* Provided technical support to users, troubleshooting database access, malfunctions, and resolving system-based obstacles.
* Prepared functional and technical documentation, investigated production issues, and provided on-call technical support for critical issues outside of business hours.
* Collaborated with cross-functional teams to structure problems, identify data sources, extract data, and develop integrated information delivery solutions.
* Developed Tableau data visualizations, handling huge data, creating Period to Date calculations, and incorporating navigation buttons and user-level security.
* Published content to Tableau Server, created stories on agile boards, and extensively used table calculations to meet business requirements.
* Applied Alteryx for streamlined data consolidation in the telecommunications sector at T-Mobile.
* Implemented Alteryx for automating data refreshes, ensuring timely availability of up-to-date information, and enhancing reporting efficiency
* Established automated workflows using Data Bricks, Azure Synapse, and PySpark to streamline data processing tasks, ensuring Power BI reports are consistently updated and accurate.
* Meticulously monitored Alteryx workflows to guarantee seamless processing and uploading of all relevant data, upholding accuracy and reliability for the Precision Behavioral Health team at T-Mobile.
* Efficiently pulled together diverse data sources (network performance metrics, customer feedback, behavioral insights) for a cohesive and comprehensive dataset.
* Leveraged Azure Analysis Services as a data source for Power BI dashboards, providing accurate and timely insights to decision-makers across the organization.
* Optimized data collection and analysis processes by utilizing Azure Analysis Services to create efficient data models and improve the accuracy and consistency of reporting.
* Collaborated with cross-functional teams to identify and implement data-driven solutions that increased efficiency and effectiveness of business processes.
* Utilized Alteryx to create robust data sources, elevating Tableau dashboards' visualization and analysis capabilities.
* Developed advanced custom Power BI dashboards, increasing customer unit KPI by 12% within a month.
* Designed and developed 85% of custom Power BI dashboards, visualizations, and interfaces for actionable insights.
* Developed Power BI reports, designed data transformation processes, configured gateways, and refreshed datasets daily.
* Collaborated with data scientists, creating future prediction models enhancing warehouse performance by 41%.
* Presented weekly risk analysis for the next 6 months using prediction models, enabling informed decisions regarding decommission and reconciliation reports.
* Created interactive dashboards with Quick Filters, Actions, and Parameters in Tableau.
* Utilized various chart types, applied Level of Detail expressions, incorporated navigation buttons, conducted dynamic sorting, and utilized table calculations extensively to meet business requirements. Also, connected to multiple data sources, performed content migration, and worked in an Agile environment while collaborating with stakeholders.
* Proficient in building Power BI reports for reconciliation and decommissioning purposes using various data sources, including SQL databases and Excel spreadsheets.

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| **Title** | Software Engineer |
| **Duration** | July 2018- October 2019 |
| **Client/Location** | Microsoft/Redmond Washington |
| **Tools** | IDE,ASP.Net,ASP.NetCore,Git,HTML,C#,MVC,CSS,API,PowerBI,SQL. |

The Cloud Hardware Infrastructure Engineering team's (a.k.a. CHIE) aim is to power Azure by designing cloud-optimal solutions that enable customers to do more. The NTE team is part of the NPI infrastructure and Cloud Engineering (also known as NICE) team.

Responsibilities:

* Created a server auto-inventory ASP.NET Core MVC web app with microservices backend that automatically, physically locates as well as inventories deployed hardware down to the component level, tracks FW and salient server information and an SCCM instance for Azure Cloud Server Infrastructure org. We connected developed web app data with power bi, to generate power bi reports and dashboards based on client requirements. And later we developed reports for my team procurement analysis and finance automation.
* Helped set up more production level infrastructure for mission-critical resources.
* Worked in creating a stable web MVC app and automation platform for the team to manage R7D devices with the custom CSI BMCs, while working under the constraint of making it an “agentless’ system.
* Involved in creating databases, the automation, and the C# code for this app.
* Created Rest APIs in the case of a service bus and set up the message broker to communicate between all the services and web app.
* Set up Azure Active Directory authentication solutions and Azure Key vault solutions to allow for JIT auth.
* Also creating the Rest APIs in case of the service bus breakdown, as well as to allow rest API automation across the data.
* Using rest API endpoints to communicate with the BMC devices, as well as PowerShell and C3 SDKs for infrastructure like SCCM, to automate on the servers.
* Created Stored procedures, SQL backup solutions, as well as Entity Framework Core Code For working with databases.
* Set up Azure Active Directory authentication solutions and Azure Key vault solutions to allow for JIT auth.
* Also creating the Rest APIs in case of the service bus breakdown, as well as to allow rest API automation across the data.
* Using rest API endpoints to communicate with the BMC devices, as well as PowerShell and C3 SDKs for infrastructure like SCCM, to automate on the servers.
* Created Stored procedures, SQL backup solutions, as well as Entity Framework Core Code For working with databases.
* Reporting: We connected developed web app data with Power BI, to generate Power BI reports and dashboards based on client requirements. And later we developed reports for my team procurement analysis and finance automation.
* Involved in understanding the client’s business processes and gathering technical requirements.
* Analyzing the KPI’s based on the end user requirements and needs to develop dashboards using POWER BI.
* Worked on preparing for the development estimation time and technical design documents and setting up different environments.
* Worked with various types and stages of Software Development Life Cycle (SDLC) processes including Analysis, Design, Development, Testing and Implementation.
* Liaised with project management and development teams to identify and implement reporting, control, and automation opportunities to improve overall access to information.
* Involved in creating dynamic well-organized, accurate and insightful Power BI reports/dashboard to support strategic decisions.
* Analyzed the KPI insights provided by the client using Power BI Desktop.
* Develop business solutions for financial reports like Sales opportunity, lead, forecast etc. Design and implement financial dashboard to track performance against measured KPI’s.
* Design Power BI data sets, linking data sources and building data models to give insights of data to stakeholders to take the finance decisions.
* Analyzed usage metrics and traffic for web using Power BI.

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| **Title** | Software Engineer |
| **Duration** | April 2017 – July 2018 |
| **Client/Location** | Oklahoma City, Oklahoma |
| **Tools** | IDE,ASP.Net,ASP.NetCore,Git,HTML,C#,MVC,CSS,API,SQL,Tableau. |

Mid-First Bank is a privately-owned bank in the United States based in Oklahoma City, Oklahoma.

Responsibilities:

* Proficient in analyzing business problems and proposing conceptual technical solutions.
* Skilled in developing workflow solutions and applications to automate and streamline business processes.
* Able to create intuitive user forms and dashboards for enhanced user experience.
* Excellent at collaborating with technical teams and business users throughout the development life cycle, including testing, end-user support, and issue resolution.
* Capable of managing multiple projects simultaneously while meeting project deadlines.
* Strong communication skills to effectively engage with both technical and non-technical audiences within the organization.
* Proficient in SQL, including writing queries, understanding tables, joins, functions, etc.
* Knowledge of basic concepts about software development such as datatypes, variables, iterating arrays, exception handling, etc.
* Self-motivated with the ability to set goals and meet project deadlines.
* Able to establish and maintain effective working relationships with peers, supervisors, vendors, and contractors.
* Capable of exercising sound judgment in evaluating situations when making decisions.
* Presented the analyzed data in an easily understandable format using data visualization tools.
* Created reports and dashboards that highlight insights and provide a clear overview of loan performance, unpaid loans, loan approval rates, and other relevant metrics in Tableau.

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| **Title** | Jr Developer |
| **Duration** | April 2014 – Dec 2015 |
| **Client/Location** | Hyderabad ,INDIA |
| **Tools** | SQL Server Management Studio, MS Excel, MS Outlook, MS Access, |

AFRIASIA other collects and aggregates information on over 800 million individual consumers and more than 88 million businesses worldwide. This segment provides financial and wealth planning services to its clients who are primarily high net worth individuals. Enterprise Business Components (EBC) team under GWMG group is the provider of various web services to various consumers related to different groups across the firm.

Responsibilities:

* As a key member of BI team, accomplished successful outcomes by working with SSIS, SSAS and SSRS.
* Installed and Configured SQL Server 2000.
* Transformed data from various data sources such as Excel and text files.
* Developed queries and macros for reporting purposes.
* Developed modules to export the data to excel for creating Charts and Graphs.
* Expert in all aspects of MS Access (tables, queries, forms, reports, modules, macros, security) including database design, development, testing and documentation.
* Setup the database with suitable memory and hard disk space allocation, creating different user and security profiles for the team.
* Strong reporting experience using Excel and Access.
* Optimized long running stored procedures and queries for effective data retrieval.
* Managed the security of the servers, as a part of Junior DBA administration duties.
* Experienced in evaluating and modifying tables, queries, and reports as per requirement.
* Extensive experience in analyzing data of relational database designs.
* Participated in formal and informal training programs to improve technical skills and knowledge of all programmers (e.g., lunch and learns, articles, white papers).
* Analyzing different user requirements and coming up with specifications for the various database applications
* Provided daily Status Updates on work completed and the progress.

EDUCATION

* Master’s in software engineering, Oklahoma Christian University, (EDMOND, Oklahoma)
* Bachelor’s in computer science, JNTU-H College of Engineering and Technology, (INDIA)