**Vinod B**

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**Summary**

* Sr. Data Engineer with 14+ years of experience in data warehousing and building data pipelines.
* Experienced in **Cloud and Big data ecosystems**, near real-time data integrations, data architecture, data modelling.
* Hands on in each phase of **Customer Success** viz., Data foundation (Ingestion and modelling), Consumption and Campaigns.
* Extensive implementations in customer **telemetry data ingestion**, threading and racetrack implementations.
* Deployed solutions in data collections and sorting to **reduce the go to market timeline up-to 3X**.
* Built and maintaining scalable **open-source automation frameworks** for improving data quality
* Built **AI-Powered solutions** for resolving security vulnerabilities even in uncharted code base.
* ETL /DWH/DB solutions for a telecom and networking giants with onsite Business/IT facing experience and coordinating various project teams.
* AWS Certified **Solutions Architect**.

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|  | **Career Experience** |  |
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**Sr. Data Engineer**

Cisco Systems, BangaloreOct 2020 to Present

Responsible to Design and develop solutions for Customer Success Program **which is of revenue discovery of more than $25M**, review the code by team and look for continuous improvements**:**

* Created data pipeline for customer telemetry data transformation on **Snowflake cloud data warehouse** using AWS EC2, Cloud watch, S3, CRR, Airflow and Snowpipe.
* Achieved **quarterly cost savings of $150,000** by implementing a suite of performance improvements, including targeted code optimizations and efficient warehouse management, additionally usage of ultimate.AI tool.
* Leveraged **AI-powered tools** **like co-pilot** and others to identify and remediate critical security vulnerabilities.
* Implemented Continuous Integration and Continuous Delivery **(CI/CD) stack** of GIT/Jenkins/Artifactory/Udeploy and Urelease for customer success telemetry data foundation.
* Proactively Identified and fixed many production data quality issues which resulted **increased Customer identification and thereby revenue increase.**
* Improved operational efficiency by 60% by spearheading and successfully delivering **AWS migration project** for data integration pipelines, sub-second consumption across geo’s.
* Lead and conducted production scale POC of technologies and tools, such as **AWS Glue, Lake Formation, Athena, AWS SNS/SQS Notification based ingestion pipeline, NRT ingestion using Snowpipe.**
* Migration of ETL workflows from informatica to **Data Build Tool (DBT)** and extensive usage of automation for the same.
* Built **API solutions** for unit tests automation using fast API and other productivity tools like tool to extract sql out of informatica xmls.

**Technical Tech Lead**

Infosys Pvt Ltd, BangaloreDec 2014 to Oct 2020

Lead a team of Developers and QA to deliver various customer success projects and few finances reporting applications validations

* Led development efforts for **around 15+ downstream systems** to migrate from legacy Big data systems to cloud based snowflake data warehousing solutions which resulted in **reducing time to market by over 60%**, and in more **than $2 M yearly savings**.
* Designed and implemented Open-source data qualitytool which freed up the SME time from regression testing, same framework caters for both front-end and backend automation. Did another POC using an innovative **approach without any data movement.**
* Implemented solutions to **cut production job runtime by 50%** by ETL tunings and other methods like spark in memory processing, file formats etc.,
* The automation framework served as a default automation suite for most of data quality needs for **RDBMS systems** like Teradata, MySQL, Oracle, HANA and **No-SQL systems** such as Hadoop, Mongo etc.,
* **Served as a functional SME** for various data sets including Licensing, Ordering and Billing.

**Analyst**

Tech Mahindra Ltd, BangaloreAug 2010 to Dec 2014

Lead a team of Developers and QA to deliver various customer success projects and few finances reporting applications validations

* Teradata and ISTQB certified professional with testing experience of OPTUS Telecom’s data warehousing.
* Worked extensively on ETL Testing, DB Testing, DWH Testing, SAS Report Testing, Usability, Functional, Regression, Smoke, System Integration, DB Migration, End-2-End and Business Process Testing.
* Involved in End-2-End projects where source data is cleansed, transformed and used for sampling while creating targeted campaigns through SAS CI studio.

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|  | **Areas of Expertise** |  |
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| * Data Warehouse Design & Development * Cloud Solutions * Big data Solution Implementation * Data Collection & Annotation * Data As a Service | * Data Integrations & Cloud Integrations * Application Integrations * Data Security & Integrity * Data & Quantitative Analysis * Project Planning & Execution | * New Technology Evaluation & Implementation * Process Automation & Improvement * Cost Control & Reduction * Team Training & Leadership |

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|  | **Technical Proficiencies** |  |
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Snowflake | AWS Athena, Glue, Glue Crawler, Dynamo DB, S3, Spark, AWS Data Lake, Lake Formation | Big Data/Hadoop | Hive | Python | Java | JSON, XML| Oracle | Teradata |SQL | REST | Selenium - Web Automation| Airflow| DBT | FastAP I Prompt Engineering | Code Security

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|  | **Education** |  |
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**Bachelor of Engineering in Electrical and Electronics Engineering**

Dr. Ambedkar Institute of Technology, Bangalore, India