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**BHANUMURTY TENNETI**

**Objective**

I look forward to being associated with a team that gives me scope to keep myself updated with the technologies and be part of a dynamic team that works towards the success of the organization.

**Professional Summary**

* **Around 8.5 years** of **IT** experience in **Development** and **Support** roles with emphasis on Business Requirements Analysis, develop Functional specifications, High level technical Design and Architecture of Applications, Leading projects to Develop and performing support activities on developed applications.
* Extensively worked using **AWS** services along with wide and in depth understanding of each one of them.
* Highly skilled in deployment, data security and troubleshooting of the applications using **AWS services.**
* Experienced in implementing Organization DevOps strategy in various operating environments of Linux and windows servers along with cloud strategies of **Amazon Web Services.**
* Have Good hands-on experience on some of the cloud technologies like Amazon web services technologies, like **AWS S3, EC2, EMR and IAM.**
* Assisting with customer communication during AWS critical launches and support events
* Basic experience on dealing with MongoDB NoSQL Database.
* Have been working with **Deloitte consulting.** for the past Two and a half year years, with a prior experience of 6 years in **Cognizant Technology Solutions Ltd.** and Tech Mahindra (Formerly known as Mahindra Satyam)
* Significant work experience in Development and Application support in Healthcare and TMT domains.
* Good knowledge of **Python** programming language implemented many automation tools and machine learning models using the same.
* Experienced in Bigdata technologies like Hadoop, Hive, Spark and Machine Learning to perform analysis on the data collected from customers.
* Having good experience in working with Distributed Source Control Management Systems like Bitbucket and GitHub.
* Good knowledge of CI/CD tools such as **Jenkins** and AWS Code build.
* Proficient in Oracle **SQL** 9i, PLSQL 9i, UNIX scripting with backend as UNIX/LINUX, Windows XP and Win7.
* Delivered as many as 10 development projects successfully as Technical expert/Team lead till date, of which three regard the development of Data marts. And they have been lauded great by the Business, post deployment.
* Having good Knowledge on **Oracle, SQL Server.**
* Proficiency in programming with various Integrated Development Environments (Python IDE's) like PyCharm, Eclipse.
* Good analytical, technical and communication skills.
* Have been a First Point of Contact for Business IT and the Users, representing the client’s Data warehousing team.
* Strong knowledge on Health Care domains.
* Participate in 24x7 on-call rotation and work with global teams
* Work on critical, highly complex customer problems that may span multiple services
* Global technical escalation management to ensure customer success with AWS products

**Areas of Expertise**

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| **Domain Knowledge** | * Business intelligence, Health care
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| **Tools** | * Informatica Power Center 9.6.1/10.1/Big data edition
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| **Languages** | * Python 3.x, Oracle SQL, PLSQL, Spark SQL
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| **Database** | * Oracle 10g/9i, MS-SQL, Teradata, AWS Redshift, MongoDB
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| **Cloud technologies** | * AWS S3, EC2, EMR, IAM
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| **Bigdata technologies** | * Hadoop file systems, Spark,
* Elastic search,kafka
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| **CI/CD** | * Jenkins
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| **Machine learning libraries** | * Pandas, Numpy, Tensorflow, Keras, scipy, Matplotlib
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**Certifications**

* AHIP – Healthcare Associate certification – AHM 250
* AWS certified cloud practitioner

**Projects**

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| 1. Project | Project Name: Hospital management system |
| Client | **Blue Cross Blue shield, Nebraska** |
| Role | Team Lead – Technical |
| Organization | Deloitte consulting LLP |
| Status of the Project | Active |
| Team Size: | Project: 20 | Module: 5 |
| Environment(with skill versions)Windows 10 | Languages: Oracle SQL, PythonDatabase: Oracle 9i/Oracle 10gCloud technologies: AWS S3, EC2  |

**Client Description:**

Blue Cross Blue Shield Association**(**BCBSA**)** is a [federation](https://en.wikipedia.org/wiki/Federation) of 36 separate United States [health insurance](https://en.wikipedia.org/wiki/Health_insurance) organizations and companies, providing health insurance in the United States to more than 106 million people.[[2]](https://en.wikipedia.org/wiki/Blue_Cross_Blue_Shield_Association#cite_note-bcbs.com-2) Blue Cross was founded in 1929 and became the Blue Cross Association in 1960, while Blue Shield emerged in 1939 and the Blue Shield Association was created in 1948. The two organizations merged in 1982.

It controls the communications between the different "Plans" that allow all the Licensees to offer national insurance even though each has very defined service areas. The Association also controls the operating policies that each Licensee must follow to be a Licensee.

**Project description: Hospital management system**

The Hospital Management System application is being developed to replace the existing legacy application with a new one having faster performance. This application contains multiple modules in it to serve multiple stake holders such as Doctors, Nurses, patients and inventory.

**Goal of the module: Patient management system**

Patient management system is a module in HMS, which deals with Patient ID generation and doctor appointments. This application consumes data from AWS S3 files using boto3 library of Python. Once the file gets consumed it will be stored in a data structure and a sequential patient id would be generated and stored into the database records

**My Role**

* Acted as a team lead to one of the modules in the project.
* Responsible for writing back-end python script for patient management module.
* Improved time-complexity of the algorithm using better and suitable data structures
* Participated in unit testing of the code and finalized test strategy for it.

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| 2. Project | Project Name: Source Refactoring |
| Client | **Blue Cross Blue shield, Nebraska** |
| Role | Team Lead – Technical |
| Organization | Deloitte consulting LLP |
| Status of the Project | Delivered |
| Team Size: | Project: 20 | Module: 12 |
| Environment(with skill versions)Windows XP | Languages: Oracle SQL, PythonDatabase: Oracle 9i/Oracle 10g, MS SQL server, AWS RedshiftTools: Informatica BDM, TOADCloud technologies: AWS S3, EC2 and EMR |

**Client Description:**

Blue Cross Blue Shield Association**(**BCBSA**)** is a [federation](https://en.wikipedia.org/wiki/Federation) of 36 separate United States [health insurance](https://en.wikipedia.org/wiki/Health_insurance) organizations and companies, providing health insurance in the United States to more than 106 million people.[[2]](https://en.wikipedia.org/wiki/Blue_Cross_Blue_Shield_Association#cite_note-bcbs.com-2) Blue Cross was founded in 1929 and became the Blue Cross Association in 1960, while Blue Shield emerged in 1939 and the Blue Shield Association was created in 1948. The two organizations merged in 1982.

It controls the communications between the different "Plans" that allow all the Licensees to offer national insurance even though each has very defined service areas. The Association also controls the operating policies that each Licensee must follow to be a Licensee.

**Goal of the Current Project: Source Refactoring**

The Source refactoring project focuses on building a new data pipeline from the newly added source systems (**AWS S3**) and modify some of the existing system designs as well. Informatica mappings are created to get the data from the sources (Oracle Database and flat files) are now should be pointed out to **AWS S3** and AWS redshift database.

**My Role**

* Acted as a lead for the team of 12 developers from offshore.
* Developed PySpark jobs to fetch data from AWS S3 source system.
* Worked on some automation tools for deployment validation and code review tools for Informatica mappings for enhancement of the existing processes using Python.
* Write Python scripts to fetch data from AWS S3.
* Developed/redesigned Oracle SQL queries and Informatica jobs extensively.

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| 3. Project | Project Name: Customer churn prediction |
| Client | **Dell** |
| Role | Python developer |
| Organization | Deloitte consulting LLP |
| Status of the Project | Delivered |
| Team Size: | Project: 4 | Module: 4 |
| Environment(with skill versions)Windows 10 | Languages: Python 3.6ML libraries: Pandas, Numpy, Tensorflow, Keras, scipy, MatplotlibCloud technologies: AWS S3 |

**Client Description:**

Dell is an American [multinational](https://en.wikipedia.org/wiki/Multinational_corporation) computer technology company that develops, sells, repairs, and supports computers and related products and services. Named after its founder, [Michael Dell](https://en.wikipedia.org/wiki/Michael_Dell), the company is one of the largest technological corporations in the world, employing more than 145,000 people in the U.S. and around the world.

**Goal of the project: Patient management system**

Customer churn prediction Machine learning model is developed to predict, whether a customer stays with the firm or switches over to another service provider. This achieved by analyzing historical data and determining the feature in data set, which can be used for the prediction.

**My Role**

* Acted as a lead python developer in the project.
* Involved in data preparation and data scaling for the modal evaluation.
* Compared multiple ML modals’ performance and determined the best fit modal using accuracy percentage.
* Participated in unit testing of the code and finalized test strategy for it.

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| 4. Project | Project Name: Metrics, Analytics and Reports Cycle |
| Client | **Kaiser Permanente Ltd.** |
| Role | Team Lead – Technical |
| Organization | Cognizant |
| Status of the Project | Delivered |
| Team Size: | Project: 35 | Module: 6 |
| Environment(with skill versions)Windows XP | Languages: Oracle SQL, PythonDatabase: Oracle 9i/Oracle 10gTools: Informatica power center 9.x, 10.1, TOAD |

**Client Description:**

**Kaiser Permanente** (KP)) is an [integrated managed care](https://en.wikipedia.org/wiki/Integrated_delivery_system) [consortium](https://en.wikipedia.org/wiki/Consortium), based in [Oakland, California](https://en.wikipedia.org/wiki/Oakland%2C_California), United States, founded in 1945 by industrialist [Henry J. Kaiser](https://en.wikipedia.org/wiki/Henry_J._Kaiser) and physician [Sidney Garfield](https://en.wikipedia.org/wiki/Sidney_Garfield). Kaiser Permanente is made up of three distinct but interdependent groups of entities: the Kaiser Foundation Health Plan, Inc. (KFHP) and its regional operating subsidiaries; Kaiser Foundation Hospitals; and the regional Permanente Medical Groups. As of 2014, Kaiser Permanente operates in eight states and the [District of Columbia](https://en.wikipedia.org/wiki/Washington%2C_D.C.), and is the largest [managed care](https://en.wikipedia.org/wiki/Managed_care) organization in the United States.

**Project Description: Kaiser Permanente Ltd.**

The project **Decision Support System for Health Care Reform** (DSSHCR) focuses on building a decision support system that helps **The Government of USA** track through the data metrics, Demand Forecast, Budget Planning and Customer Advocacy management. The Claims utilization data would be loaded from multiple source systems into a centralized data store (KP’s Data warehouse) that forms base for the applications on the live server hosted by **The Government of USA** as part of **OBAMA care (Affordable Care Act)**.

**Goal of the project: DSSHCR, Kaiser Permanente Ltd.**

**The DWH track is classified into TWO sub-groups (Subject Areas) based on the functionality of the domains.**

* Claims
* Enrollment

The goal of this project is to provide data to the business through generated Dashboards and estimate their revenue in the respective subject areas. Each subject area has its own DataMart with the Tables related to that Subject area. KDW is the Kaiser Data Warehouse maintained in Oracle Database. Informatica mappings are created to get the data from the sources (Oracle Database and Flat Files). ERP provides the major portion of Data that is required for the construction of KDW. We receive flat files on a scheduled basis from Third Parties, providing significant volume of the source data for the construction of KDW.

**My Role**

* Leading the project comprising both off-shore and on-site teams, gathering requirements from Business, Creating TDD, Data Modeling, ETL development using Informatica 9.6.0, Unit Testing and preparing Deployment documents for prod migration, and Supporting the deployed code after Production move.
* Developed 60% of the Informatica Jobs needed for the ETL process of **Kaiser Permanente** Data warehouse which have successfully been deployed and working good with the Business now.
* Worked on some automation tools for deployment validation and code review tools for Informatica mappings for enhancement of the existing processes using Python.
* Used advanced transformations in Informatica such as Transaction control, Normalizer, Java transformation etc.,
* Developed UNIX scripts required for FTP and Mailing on a larger scale.
* Automated as many as 5 processes to rule out manual intervention in the existing processes.
* Worked with Oracle SQL, PLSQL and Informatica extensively.

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| 5. Project | Project Name: BIDS METRICS |
| Client | CISCO Systems Ltd. |
| Role | Team member |
| Organization |  Mahindra Satyam Computer Services Limited, India |
| Status of the Project | Delivered |
| Team Size: | Project: 70 | Module: 5 |
| Environment(with skill versions)Windows XP | Languages: Oracle SQL, PLSQL, Teradata SQLDatabase: Oracle 9i, Teradata 14.0Tools: Informatica PowerCenter, Dollar Universe, HP Kintana, PVCS.O/s: Windows XP, Linux |

**Client Description: Cisco systems Inc.**

**Cisco Systems, Inc.** is an American [multinational](https://en.wikipedia.org/wiki/Multinational_corporation) technology [conglomerate](https://en.wikipedia.org/wiki/Conglomerate_%28company%29) headquartered in [San Jose, California](https://en.wikipedia.org/wiki/San_Jose%2C_California), in the center of [Silicon Valley](https://en.wikipedia.org/wiki/Silicon_Valley). Cisco develops, manufactures and sells [networking hardware](https://en.wikipedia.org/wiki/Networking_hardware), [telecommunications equipment](https://en.wikipedia.org/wiki/Telecommunications_equipment) and other [high-technology](https://en.wikipedia.org/wiki/High-technology) services and products.[[3]](https://en.wikipedia.org/wiki/Cisco_Systems#cite_note-Cisco-Sep-2012-10-K-3) Through its numerous acquired subsidiaries, such as [OpenDNS](https://en.wikipedia.org/wiki/OpenDNS), [WebEx](https://en.wikipedia.org/wiki/WebEx), Jabber and [Jasper](https://en.wikipedia.org/wiki/Cisco_Jasper), Cisco specializes into specific tech markets, such as [Internet of Things](https://en.wikipedia.org/wiki/Internet_of_Things) (IoT), [domain security](https://en.wikipedia.org/wiki/Internet_domain) and [energy management](https://en.wikipedia.org/wiki/Energy_management).

**Project Description: BIDS**

First Next Generation Enterprise Data Warehouse released, establishing a complete infrastructure and foundation for client's Data Warehouse Platform on Teradata. The client's existing Data Warehouse is a 7 Terabyte Oracle Database, which stores the historical and operational data of all the measures like bookings, revenue, expense of client, but as the data increases the performance of the data warehouse decreases. So, now Cisco decides to change the database from Oracle to TERADATA which has the capability to handle large amount of data.

**Goal of the project: BIDSMETRICS**

The project aims at delivering the metadata at Informatica Repository Level in the form of tables to Teradata Database. This simplifies the work of the developer/programmer while searching for objects (like sources, mapping names, and session configuration details) in Informatica Power center. As all the metadata is now available in tables, the developer/programmer can query the data using a simple SQL statement. This decreases the time spent on searching these objects and increases the efficiency.

The architecture of the project mainly comprises of 3 Layers Stage, Work and 3NF

Layer. Time variant scenarios come into picture in work layer and in 3NF layer history as well as current data resides.

**My Role**

* Responsible for end to end Development
* Informatica mappings for loading data into different layers.
* Performance tuning of Teradata queries as a part of ELT/PDO approach.
* Development of BTEQ and TPT scripts
* Performance tuning of Informatica mappings
* Worked on the Scheduling Tool ($Universe) to schedule the Informatica jobs.

**Educational Information**

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| **Degree** | **Board / University** | **Year of Passing** | **Percentage** |
| Graduation (B.Tech, E.E.E.) | JNTU Kakinada | 2011 | 69.04 |
| Higher Secondary (XII) | Board of Intermediate Education A.P. | 2007 | 88.10 |
| Secondary (X) | SSC | 2005 | 89.50 |

**Achievements**

* **Ed-Support Volunteer** at Make A Difference (MAD), Hyderabad.
* Part of **Outreach**, the group for **Corporate Social Responsibility** at CTS Ltd.
* Winner of the **District Chess Championship – Vizianagaram**, in the year 2004.
* Topper of the class, in Class X (**S.S.C**).
* Member of the sponsors committee, **Ariston-2K10**, a national technical symposium organized by JNTU Kakinada, UCE Vizianagaram.
* Quite a many appreciation from the customers for effective and efficient delivery on time.

**Hobbies and Interests**

* **Trek enthusiast :** Part of Greater Hyderabad Adventure Club (**GHAC**), Hyderabad Trekking Club (**HTC**) and **CognoVenture**
* **A Musician :** Learnt playing **Violin** for 4 years. Was a Violin player at the **Maharaja Sangeetha Nrithya Kalasala, Vizianagaram**.

**Personal Information**

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I hereby declare that the information furnished above is true to the best of my knowledge.

**Place :** Hyderabad

**Date :** 04-Sept-2020 Bhanumurty Tenneti