

## IDS 0103

An innovative and highly motivated, deliverable oriented IT professional with more than of 11+ years of experience. Have strong expertise in **PostgreSQL DBA and development, Oracle9i/10g/11g/12c/18c/19c, SQL, PL/SQL.SQL Server** and good experience in **PostgreSQL 9.4,6,10,11, migrations server, Mongoddb, Cassandra, MySQL database, Python, Spark SQL** and **AWS Cloud servers RDS architect and Azure and on-premises databases**

## JOB EXPERIENCE

**InfoDriven Solutions Pvt. Ltd.**  
**May 2021 to still date**

March 2019 to Feb 2021

September 2017 to Aug 2018

Aug 2015 to Mar 2017

Sr. Software Engineer  
Feb 2014 to Aug 2015.

Sr. Software Engineer  
Aug 2012to Feb 2014

Software Engineer  
Apr 2011 to July 2012

## EDUCATION

**MCA** (Master of Computer Applications)

## CERTIFICATIONS

ORACLE OCA

## CAREER SUMMARY

- Excellent working knowledge in PostgreSQL 9.4,6,10,11 and PGSQL ,Oracle PLSQL and SQL, MongoDB database, Cassandra Database, SQL server database ,MySQL database.
- Excellent working knowledge in AWS cloud service (RDS/SCT/DMS)
- Working on Azure Hyperscale CITUS database
- Working in AWS aurora Postgres database and PostgreSQL database
- Migrating MS SQL server to PostgreSQL by using SCT tool in AWS
- Worked on EDB PostgreSQL advance server and PEM
- Worked on Azure cloud databases (PostgreSQL, MongoDB)
- Working in Python and **Spark SQL**.
- Oracle to PostgreSQL Migration by using ORA2PG tool
- Excellent working Knowledge of **SQL Queries and Linux Shell scripting**.
- Excellent programming skills in PL/SQL Stored Procedures, Functions, Packages and Triggers.
- Replication in PostgreSQL by using Replication Manager (repmgr)
- Working in ETL testing and writing complex queries.
- Working with business tool MSTL reporting tool.
- Working with MongoDB (Robo Mongo tool for writing collections and performing the DML transactions)
- Working with **Oracle Forms and Reports**.
- Working in Data modeling in **ER/Studio**.
- Involved in MS SQL backup and restore and maintenance.
- Outstanding analytical and problem-solving skills with a high attention to detail and accuracy able to fully understand the business process and apply technical solutions.
- Involved in EC2 instance,Graviton2,creates RDS instance, High Availability setup ,CloudWatch, creating Lambda, Alerts and backup and restore,Creating snapshots in AWS Cloud.

## TECHNICAL SKILLS

**Operating System:** Windows XP, UNIX. Ubuntu, Linux

**Programming Language:** Oracle PLSQL, SQL, PostgreSQL DBA, EDB PostgreSQL, PL/PGSQL, ODI, MSTL, python, spark SQL, SQL server, AWS RDS, EC2, and EMR, Azure Citus and PostgreSQL, MongoDB.

**Migration Tools:** Ora2pg, Migration toolkit, SCT&DMS, EDB migration Portal.

**Database:** Oracle9i/10g/11g/12c, PostgreSQL DBA 9.2/9.3/9.4/9.6/10/11/12/13, MySQL, SQL server, PostgreSQL, Mongo dB 3.2 3.6,4.0,4.2, Cassandra.

**Application Development:** SQL\* Plus, PSQL\*Plus, PostgreSQL Enterprise Manager, TOAD, Oracle PLSQL developer, SSMS, PgAdmin 3 &4, Python 3.6, 2.7, Spark SQL, Robo 3T, PEM.

**Utility:** SQL \*Loader, EDB\*Loader

## Current Role & Responsibilities

- Involved in creating Packages, procedures, functions and cursors (PostgreSQL & EDB PostgreSQL)
- PostgreSQL DBA monitoring and maintenance
- Migrating the Oracle database to PostgreSQL from On-Prem to AWS Cloud
- Identifying the converted code and modifying the code as per business logic.
- Working on performance tuning in complex queries and database
- Monitoring with open-source tools like Grafana, telegraph, InfluxDB, pghero
- Working with AWS cloud services RDS, S3, EMR, EC2 and AWS Aurora PostgreSQL
- Migration from Oracle to PostgreSQL by using or2pg tool
- Taking PostgreSQL backup and restore by using pgdump and psql pg\_restore packages.
- Creating PostgreSQL objects (tables, indexes, sequences, functions and triggers)
- Working with AWS cloud server for RDS instance (Creating the PostgreSQL instance in AWS cloud server and memory allocation).
- PostgreSQL database maintenance and activities (Vacuum, analyze and re-indexing).
- SQL Injection by using SQL/project library (adding the library file in configuration files in data directory).
- Create streaming replication for master and slave machine.
- Migration from Oracle to PostgreSQL database.
- Moving on-premises SQL server to AWS & Azure cloud.
- SQL server maintenance and backup.
- Setting High Availability (HA) and disaster recovery options for SQL server.
- Configure and maintain database servers and processes.

- Worked on complex queries in SQL server.
  - Spinning SQL server in azure cloud and security set up.
  - Installing the SQL server in windows environment.
  - Deploying the on-premises MS SQL database to Azure Cloud.
  - Involved in creating Packages, procedures, functions and cursors, creating Triggers in various ways, analyzing query by using explain plan and identify the root cause for performance tuning, data modeling and data Mapping (logical and physical models).
  - Writing the Linux script for perform schedule jobs and by using Linux commands performing some activities.
  - MongoDB database monitoring activities and db health checkup
  - MongoDB database installation and configuration setup
  - MongoDB dump and restore and writing automated script
  - MongoDB performance tuning activities
  - Cassandra database installation and restore the database in Cloud.
  - Mysql database installation and restore the databases in cloud.
  - Migration from MS SQL server to PostgreSQL in AWS cloud by using SCT tool.
  - Loading data in tables by using Python and data frames.
  - Creating functions, procedure, packages and triggers in Oracle,PostgreSQL, MySQL,MS SQL server.
  - Working as admin as well as developer in all databases.
  - Working with Cloud server like AWS and AZURE.
  - Creating the EC2 instance and deploying on-premises application to AWS cloud.
- Spring up the new cluster for new application in AWS RDS and create the instance as per requirement.
- Worked on Version control repository like Bitbucket, Clear case to manage repositories.
  - Creating the AWS s3 storage for backup and restore if any failures.
  - Working on High Availability in AWS environment setup.
  - Setting the MultiAZ environment in different regions.
  - Creating Cloud watch and performance insight for monitoring databases
  - Creating Graviton2 instance and upgrading the old instance to new Graviton2 instances for cost efficiency.

## PROJECT SUMMARY

### >>PROJECT #6

Project Title : Social Network

Team Size : 10

Role : Aurora PostgreSQL, PostgreSQL, Python. AWS admin.

**Description:** AWS cloud and we are using different technologies (Java, PostgreSQL, AWS Cloud service) and created RDS and aurora databases in AWS instance and using cloud watch for monitoring.

### Responsibilities:

- Involved in creating procedures, functions and cursors (PostgreSQL & EDB PostgreSQL)
- PostgreSQL DBA monitoring and maintenance
- Identifying the converted code and modifying the code as per business logic.
- Working on performance tuning in complex queries and database.
- Fixing the non-converted code in PostgreSQL
- Upgrade the PostgreSQL databases
- Instance upgrade for better performance and cost.
- Created the Graviton2 processors (arm processors).
- Writing shell script and execute the jobs
- PostgreSQL production database maintenance activities
- Creating PostgreSQL objects (tables, indexes, sequence, views, materialized views), functions, procedure and packages, working in AWS server and create PostgreSQL instance
- Monitoring the production database using the AWS RDS service.
- Creating Oracle package, procedure, function, tables and views.
- Creating the EC2 instance and deploying on-premises application to AWS cloud.
- Spring up the new cluster for new application in AWS RDS and create the instance as per requirement.
- Creating the AWS s3 storage for backup and restore if any failures.
- Working on High Availability in AWS environment setup.
- Setting the MultiAZ environment in different regions.
- Creating Cloud watch and performance insight for monitoring for database monitoring.

- Creating Graviton2 instance and upgrading the old instance to new Graviton2 instances for cost efficiency.
- Worked on Version control repository like Bitbucket, Clear case to manage repositories.
- Creating Replication servers in multi region for avoid failures.
- Creating the Lambda function to run database monitoring jobs.

**>>PROJECT # 5**

**(March 2019 to May 2021)**

**Project Title** : **Migration**  
**Team Size** : **6**  
**Role** : **Oracle DBA, PostgreSQL DBA, Mongoddb, Cassandra, MySQL & Developer.**

**Description:** Microsoft migrating the all application to Azure cloud and we are using all technologies java, .Net, oracle, PostgreSQL, mongo dB, Cassandra, MySQL, MS SQL server. We are using different tools for migration process to achieve as well as Azure Cloud services also.

**Responsibilities:**

- PostgreSQL database installation and configuration setup.
- Backup & Restore database process
- Wrote the Linux automated restore and backup scripts for all databases.
- Oracle DBA migration from on-Premises and Azure Cloud
- MongoDB migration from on-premises and Azure Cloud
- Cassandra migration from on-premises and Azure Cloud
- MySQL migration from on-premises and Azure Cloud
- Installing MySQL server in Azure PaaS service.
- Spring new My SQL instance in AWS cloud.
- Creating tables, views, sequences in SQL server.
- Moving on-premises SQL server to AWS & Azure cloud.
- SQL server maintenance and backup strategy.
- Setting High Availability (HA) and disaster recovery options for SQL server.
- Configure and maintain database servers and processes.
- Writing complex queries for reports in SQL server.
- Using SSAS and SSRS services.
- Worked on RMAN restore and backup scripts
- Worked on postgresql backup and restores scripts.
- Cassandra nodetool and sstablesloader
- Data Guard and Golden Gate approaches in Oracle replication.
- Streaming replication and high availability settings
- Point in time recovery configuration setup

- Install client tools for monitoring process
- Writing shell script and execute the jobs
- PostgreSQL production database maintenance activities
- Creating PostgreSQL objects (tables, indexes, sequence, views, materialized views), functions, procedure and packages, working in AWS server and create PostgreSQL instance
- Monitoring the production database using the AWS RDS service.
- Creating Oracle package, procedure, function, tables and views
- Loading data in tables by using Python and data frames.
- Creating functions, procedure, packages and triggers in Oracle,PostgreSQL, MySQL,MS SQL server.
- Working as admin as well as developer in all databases.
- Working with Cloud server like AWS and AZURE
- Migrating database from on-premises to Cloud AWS or AZURE

**>>PROJECT # 5**

**(August 2017 to Feb 2019)**

**Project Title : HealthCare Product**

**Team Size : 1**

**Role : Oracle ,PostgreSQL DBA & Developer,My SQL server, Mongoddb,Python**

**Description:** HealthCraft is a connected and unified digital applications and cloud components which are of enterprise class, embedding the Digital five forces addressing needs of Healthcare Industry offering compelling TCO and Value for Investment ensuring customer experience certainty, Healthcare product developed by .Net and PostgreSQL technologies.

**Key Modules:**

1. Registration
2. Appointment
3. Lab
4. Radiology
5. Pharmacy
6. Consultation

**Responsibilities:**

- PostgreSQL database installation and configuration setup.
- Backup & Restore database process
- Streaming replication and high availability settings
- Point in time recovery configuration setup
- Install client tools for monitoring process
- Writing shell script and execute the jobs

- Wrote the python code for loading data into tables
- Migration oracle database to PostgreSQL database by using ORA2PG tool and SCT tool
- Design the database and installing all platforms like LINUX, Windows, Mac
- PostgreSQL production database maintenance activities
- Create new instance in Azure cloud and modified the setting.
- Wrote the complex queries and views.
- Migrating the MYSQL database to PostgreSQL in On-premises.
- Moving on-premises SQL server to AWS & Azure cloud.
- SQL server maintenance and backup and recovery.
- Setting High Availability (HA) and disaster recovery options for SQL server.
- Configure and maintain database servers and processes.
- Creating PostgreSQL objects (tables, indexes, sequence, views, materialized views), functions, procedure and packages, working in AWS server and create PostgreSQL instance
- Monitoring the production database using the AWS RDS service.

**>>PROJECT # 4**

**(Aug 2015 to March 17)**

**Project Title** : **Order Management**  
**Team Size** : **5**  
**Role** : **Senior Programming Analyst**

Project Description: Order Management Portal System, provides a web-based interface for the exchange of information between suppliers and buyers over the Internet. This portal is used to view new buys & reschedule/reconfirm requests and enter responses into forms. Processing and file storage are accomplished on the Sanmina-SCI server.

**Responsibilities**

- Involved in writing SQL queries, creating Packages, procedures, functions and cursors, creating Triggers in various ways, creating views, synonyms and index's, creating procedure and packages in Oracle PLSQL database, DBA tasks for PostgreSQL, PostgreSQL database to creating and designing database
- Database maintenance every month (Vacuum, analyze and re-indexing).
- Working with DB activities and query tuning with explain plan
- ODI tool for ETL to write complex queries and test the data
- Performance tuning in PostgreSQL DBA and monthly DBA maintenance.
- Experience in PostgreSQL Replication process in Windows and UNIX.
- Strong Relational Database experience preferably with PostgreSQL
- Experience with Amazon Web Services such as S3, RDS.
- Provide the privileges to user for alter objects in PostgreSQL
- PostgreSQL database back and recovery and migrating (or2pg )
- Modifying and writing code for logic because some keywords do not support in PostgreSQL.

**>>PROJECT # 3**

**(Feb2014- Aug 2015)**

**Project Title** : **V3 System**  
**Team Size** : **6**  
**Technology** : **Oracle,PostgreSQL DBA & Developer,SQL server, Mongodb,Python**  
**RDBMS** : **Oracle 9i/10g/11g/12c, PostgreSQL 9.3/9.4/9.6/10,MY SQL**

**Description:** A product development company, which has its own product. System developed using Oracle and Java and it used in Insurance, pension, and investment domains.

- **Pension:** It supports Defined Benefit, Defined Contribution and Tax Deferred Annuity processing.
- **Insurance:** It offers contract, policy, enrollment, billing, pension, annuity, investment and claim capabilities in a single, integrated application.
- **Investment:** It supports mutual fund, hedge fund, private equity fund, transfer agency, investor and investment administration in a single, integrated application

**Job Roles and Responsibilities**

- Involved in writing SQL queries, creating Packages, procedures, functions and cursors, creating Triggers in various ways, creating views, synonyms and index's, creating collection, objects and PL/SQL records, creating procedure and packages in PostgreSQL database, data modeling and data Mapping, Data Warehousing and ETL tools, PostgreSQL database to creating and designing database
- PostgreSQL database back and recovery and migrating (or2pg )
- Modifying and writing code for logic as same keywords not supported in PostgreSQL.

**>>PROJECT # 2**

**(Aug 2012- Feb 2014)**

**Project Title** : **Amazon Europe Interwoven.**  
**Team Size** : **15**  
**Technology** : **Toad, PL/SQL, SQL, Windows XP, PostgreSQL**  
**RDBMS** : **Oracle 9i/10g/11g, PostgreSQL 9.3/9.4/9.6/10**

**Description:** The DocShare Approval tool is a web application developed with JAVA and Oracle PLSQL. Automate the process to obtain approvals to enable tracking and audit trail of approval workflow activities for creating recurring approval workflows by creating reusable approval workflow templates. The core functionality of the **AWT** application is:

Define workflow templates, reusable workflow tasks

- Create workflows (from templates or from scratch)
- Attach documents to workflows
- Ability to view/edit/manage/restart existing workflows
- Email notifications and approval requests

- Integrated with DocShare in addition to non-DocShare web portal

**Responsibilities:**

- Created Views from multiple Tables, Synonyms and Sequences, indexes on some columns of tables to increase the application's performance
- Handling error in package and procedures, writing Stored Procedures, Function and Packages. Creating objects, PL/SQL table and collections, handling the Unit Testing in PL/SQL, working in UNIX.
- Worked in Java for fixing issues, created PostgreSQL functions and tables.
- Involved in PostgreSQL DBA activities, inserting the data into tables using SQL\*loader.
- Created constraint and indexes on the tables
- Storing data into database by using SQL\*loader, Data Modeling and Mapping, Tuning SQL and optimizing SQL queries, involved in ITIL(Information Technology Infrastructure Library ) Process

**>>PROJECT # 1**

**(May2011– Aug 2012)**

**Project Title** : **Buying and Selling Enablement (BASE)**  
**Team Size** : **18**  
**Technology** : **Toad, PL/SQL,Windows XP**  
**RDBMS** : **Oracle 9i/10g/11g.**

**Description:** Buying and selling enablement is online internet web base application, the customer are able to buying items and selling items online .This is developed in Java and PL/SQL programming languages. It has the following applications:

1. **CCW (Cisco Commerce Workspace):** A single IT platform that provides one integrated, streamlined, and simplified commerce experience. The Workspace allows Cisco Partners to Quote, Configure and Order products, software and related services
2. **MDM (My Deal Management):** A web-based, streamlined qualification and approval experience for non-standard deals, contractual discounts, and pricing letters. My Deal Manager utilizes the existing pricing functionality.
3. **DCP (Deal Checkpoint):** A tool used to view My Deal Manager non-standard deal information in read-only format. Deal Checkpoint offers My Deal Manager read-only access to read-only users.

**Responsibilities:**

- Created Views from multiple Tables, Synonyms and Sequences, indexes on some columns of tables to increase the application's performance, objects, PL/SQL table and collections.
- Handling the error in package and procedures, Worked in CIS environment, JAVA JSP and bug fixing issues, SVN tool.
- Wrote Stored Procedures, Function and Packages