

**Driving Excellence:  
Your BI and AI Journey Starts Here!**



**Informatica Cloud (IICS) and Snowflake  
Developer**



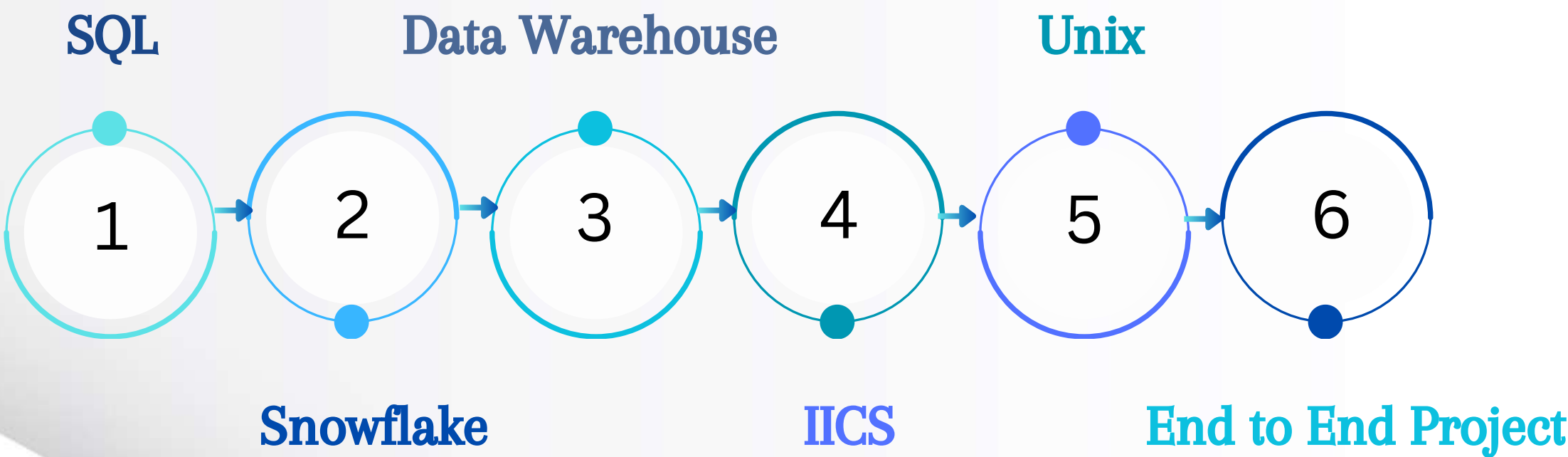


Course Duration  
5.5 Months

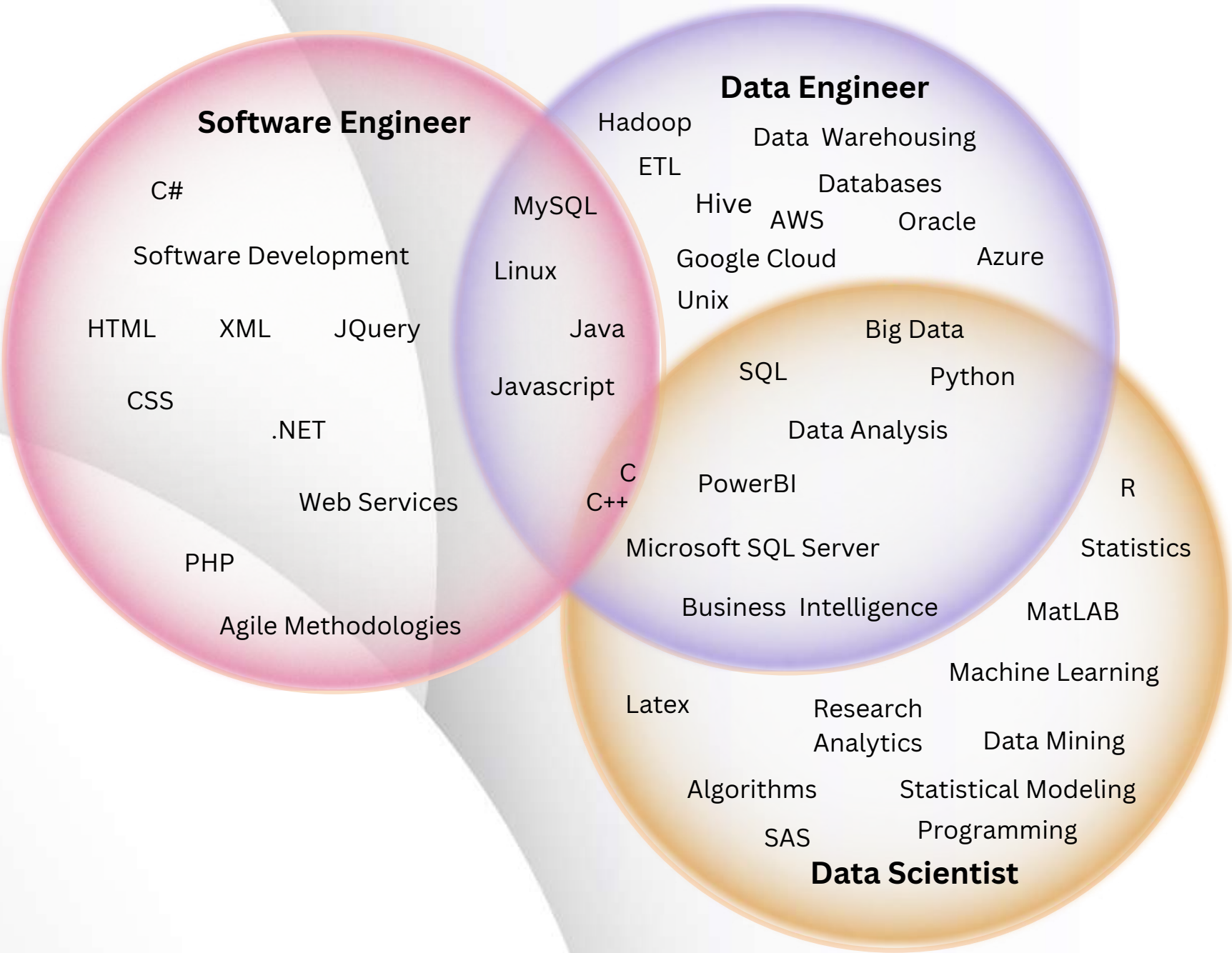
Batches  
Week Days(Mon-Fri)

Mode  
Online(Zoom)

Technologies



Skills And Qualifications



## Introduction

## SQL Type

- DDL
- DML
- TCL
- DCL
- DQL

## Constraints

- Primary Key
- Unique
- Foreign Key
- Check
- Default
- NOT Null

## Clause

- DISTINCT
- WHERE
- ORDER BY
- GROUP BY
- HAVING

## Operators

- IS NULL
- LIKE
- BETWEEN
- IN

## Functions

- String
- Date
- Numeric
- Conversion
- Aggregate

## Joins

- Inner Join
- Left Outer Join
- Right Outer Join
- Full Outer Join
- Cross Join
- Self Join

## Subqueries

- Single-row subqueries
- Multiple-row subqueries
- Correlated subqueries

## Set Operator

- Union All
- Union
- Intersect
- Minus

## Views

- Simple View
- Complex View
- Materialized views

## Indexes

- B-Tree Indexes
- Bitmap Indexes
- Function Based Indexes

## Analytical Functions

- RANK
- DENSE\_RANK
- ROW\_NUMBER
- FIRST\_VALUE,
- LAST\_VALUE
- LAG
- LEAD

## Advanced SQL

- PIVOT
- UNPIVOT
- PARTITIONS

## PLSQL

- Stored Procedure
- Stored Function



## Architecture and Overview

- Snowflake Overview
- Architecture
- How to use the Snowflake UI & ecosystem

## Introduction to Cloud

- What is Cloud?
- Different Cloud Vendors
- Advantages of Cloud over On-Premise

## Introduction to Snowflake

- How different from traditional DB
- Quick start to the snowflake and accessing trial account
- Creating warehouse, DB, Schema, and tables
- Accessing different roles and using it
- Working with worksheets
- Understanding different type of accounts

## Data Loading and Unloading

- File formats
- Internal and external storage
- Internal and external stage
- Copy into usage
- Snowflake internal storage
- Accessing Cloud storage data into Snowflake (like GCP, AZURE and AWS)

## SnowPipe

- Accessing Snowpipe
- PUT and GET commands
- Bulk loading from cloud storage
- Continuous loading

## Partner connect with snowflake

- Snowflake Connector and use cases Python
- BI connectors use cases
- Other connectors hands-on

## Handling JSON and Semi structured data

- Variant Data Type
- File format options
- Creating stages
- Loading JSON semi-structured data into SF tables
- Accessing JSON with select statement

## Scheduling with Snowflake

- Creating Tasks
- Streams
- Accessing procedures with tasks
- Scheduling as per time with Different time zones
- Automate loading process Daily and Weekly

## Secure Data sharing

- Usage of sharing data
- Sharing data with different accounts
- Sharing data with non-SF accounts using reader accounts
- Importance of reader accounts
- Privileges in data sharing
- Challenges with cross-region sharing and understanding replication
- Connecting shared objects with BI tools
- Limitations with Data sharing

## Cloning

- Limitations with Data sharing
- Access Control Privileges for Cloned Objects
- Cloning and Snowflake Objects
- Impact of DDL on Cloning
- Impact of DML and Data Retention on Cloning
- Time travel & Failsafe
- Introduction to Time Travel
- Querying Historical Data
- Enabling and Disabling Time Travel
- Data Retention Period
- Cloning Using Time Travel (Databases, Schemas, and Tables Only)

## Datawarehouse

- Why Data warehousing?
- What is Data warehouse?
- DW Architecture
- OLTP vs OLAP
- Dimensional Modeling (Fact, Dimensions)
- Star Schema
- Snowflake Schema
- Slowly Changing Dimension



## Overview

- Informatica Cloud
- Object Synchronization
- Process Synchronization
- Data Replication
- Informatica Cloud Applications
- Informatica Cloud – Key Terms

## Secure Agent and Architecture

- Architecture
- Secure Agent
- Secure Agent Architecture
- Running Agent as Local/Network User

## Creating Connections

- Connection Properties
- Connection types
- Configuring a connection
- Creating a Salesforce.com Connection
- Creating a Flat File Connection

## Data Synchronization Application

- Data Synchronization application
- Data Synchronization Operations
- Field Information

## Data Replication Application

- Data Replication App Overview
- Data Replication Features and Benefits
- Data Replication Source and Target Options
- Other Data Replication Task Options
- Resetting the Target Table

## Cloud Mapping Designer – Part I

- Cloud Mapping Designer Use Cases
- Mapping Lifecycle
- Transformations in Cloud Mapping Designer
- Mapping Validation
- Creating a Simple Mapping using a Source, Filter, and Multiple Targets

## Cloud Mapping Designer – Part II

- Joiner, Expression, and Lookup transformations
- Field Rules: Renaming Fields, Selection Criteria
- Creating a Mapping using the Lookup and Expression Transformation



## Cloud Mapping Designer

- Aggregator Transformation Overview
- Aggregator Transformation – Source and Target
- Normalizer Transformation
- Normalized Fields
- Lookup Transformation
- Unconnected Lookup

## Qualifying & Transforming Source Data

- Data Filter
- Simple and Advanced Data Filter
- System Variables in a Data Filter
- Incremental Processing
- Field Expression

## Mapping Task and Mapping Parameters

- Mapping Task
- Parameterization use cases
- Adding Parameters to a Mapping
- Parameter Types
- Parameter Panel and Best Practices
- Mapping Updates and Deployment
- Creating, testing, and running a Mapping Task

## Advanced Task Options

- Pre and Post-Processing Commands
- Operating System Commands
- Parameter File
- Setting Up a Parameter File

## Automating and Monitoring Tasks

- Schedules
- Schedule Repeat Frequency
- Repeat Frequency Options
- Schedule Blackout Period
- Email Notifications

## Template Taskflows

- What is a Taskflow?
- Task flow Steps
- Task flow Templates

## Linear Taskflow

- What is Linear Taskflow?
- How we can execute multiple task?
- Linear Taskflow Sequence

## Advanced Properties Settings

- SQL Overrides in Lookups
- Lookup SQL Override Attributes
- Pre and Post SQL commands

## Performance and Scalability

- Partitions
- Types of Partitioning
- Partitioning Rules and Guidelines
- Secure Agent Groups with Multiple Agents

## Advanced Parameterization and REST Utilization

- Parameterization
- Use case and solution
- Advanced Parameterization
- Parameterization technique in a mapping

## Advanced Administration

- Custom Roles
- Asset Level Permissions
- Rules and Guidelines for Permissions
- Project or Folder Access Using User Groups
- Administrative settings for the organization

## Administration

- User Roles
- User Groups
- Object-level permissions
- Organization hierarchy
- Migrating Assets



## Unix Commands

- ls
- cd
- pwd
- mkdir
- rm
- cp
- mv
- touch
- cat
- tar
- sort
- cut
- paste
- head
- kill
- du
- df
- find
- grep
- tar
- awk
- tail
- crontab
- history
- chmod
- chown
- top
- ps
- sed
- ln
- man
- ifconfig
- ssh
- scp
- sudo
- rsync
- shutdown
- mailx
- zip
- uniq
- seq
- rev

## Automation Scripts

- Unix script file validation.
- Unix script to create list file.
- Unix script to .zip files.
- Unix File Move
- DataFile compare with MetaData File
- Unix to Database connectivity





## Our Alumni Work in Top Companies

