

COURSE MAP

NOSQL DATABASE USING MONGODB



mongoDB





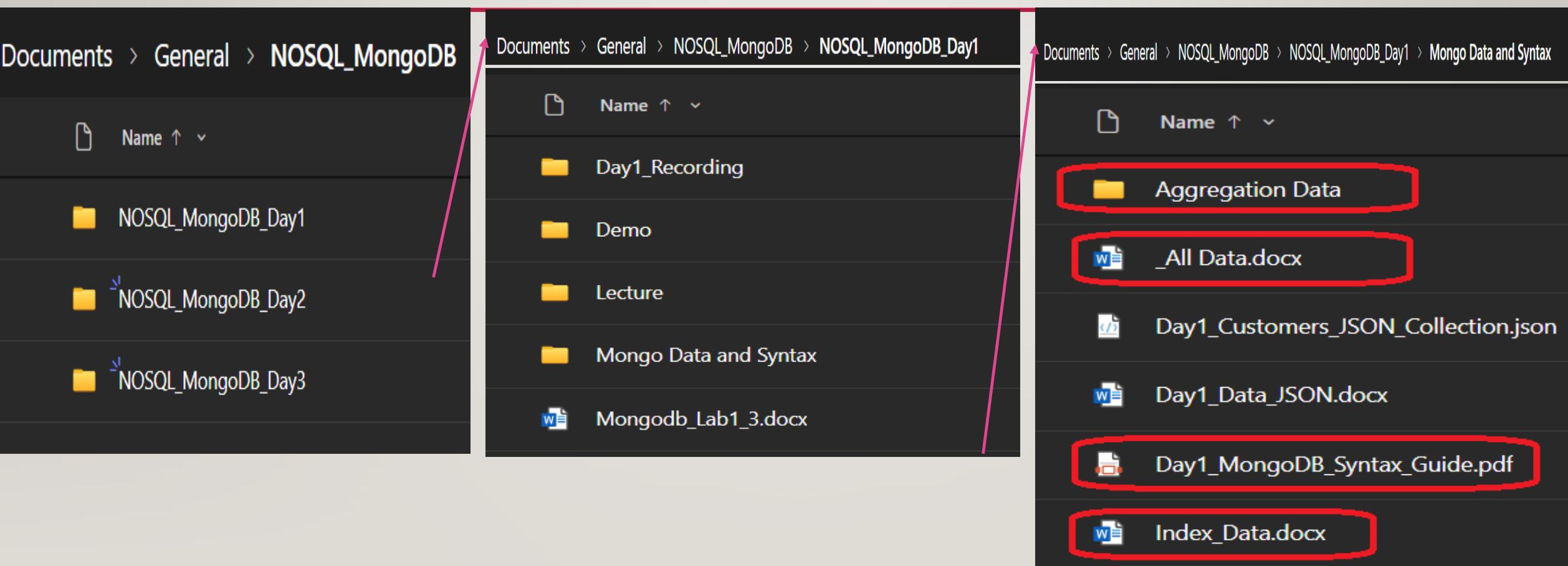
- **Software Engineering:** Professional experience **since 2010**.
- **Training & Development:** Active instructor and mentor **since 2012**.
- **ITI Technical Trainer:** Certified technical trainer **since 2014**.
- **Master's Degree in Agile Project Management, Maryland University.**
- **MBA in Project Management, Arab Academy.**
- **TOT (Training of Trainers).**



COURSE - DAILY

- **Objective**
- **Topics List**
- **Lab Discussion**
- **Rules**
 - **Questions**
 - **Interruption**
 - **Break**

COURSE - DAILY



DAY I

- **Objective :**
 - Understand **Different between SQL and NoSQL**
 - Understand **Database Types and Their Differences**
 - Learn How to **Choose the Appropriate Database**
 - Gain Proficiency in **JSON**
 - Perform **CRUD** Operations (Create, Read, Update, Delete)

DAY 2

- **Objective :**

- Deep Dive into **Read/Find Operations** Using MongoDB Operators
- Explore Advanced **Update Operations** in MongoDB
- **Data Aggregation Using MongoDB Aggregation Pipeline** (Advanced Data Operations)

DAY 3

- **Objective :**
 - Database **Performance Techniques**: Using **Indexes**
 - Handle **Dynamic Data** Using **Variables** and **For-Each Loops**
 - **Backup** and **Restore** Databases
 - Commonly Used **Built-in Functions**
 - Validate Data Using **Schema Validation**