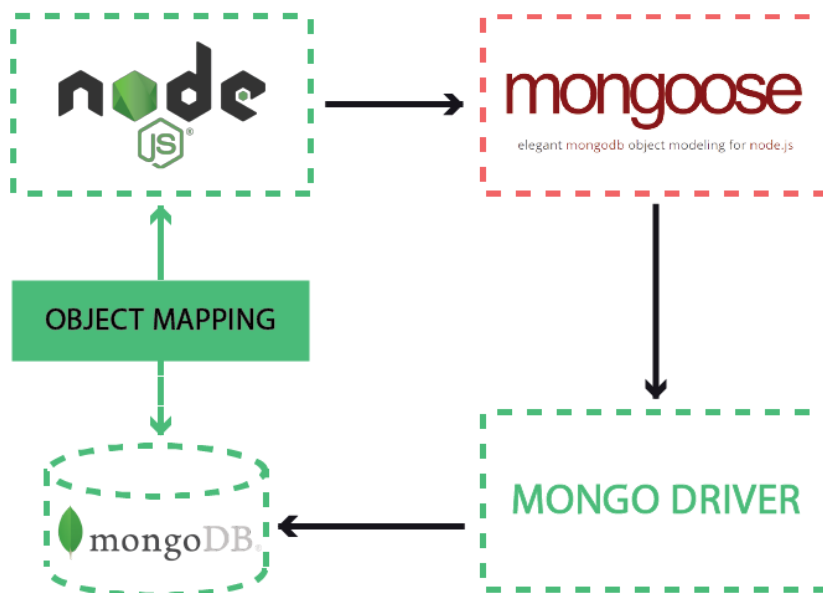


⚡ Current Skill Mongoose Introduction

What's mongoose?

Mongoose is an **Object Data Modeling (ODM)** library for MongoDB and Node.JS. It is responsible for:

- Managing data relationships.
- Providing schema validation.
- Implementing the translation between code objects and the representation of those objects in MongoDB.



Mongoddb vs SQL

You know by now that MongoDB is a **schema-less NoSQL document database**. It means you can store JSON documents on it. The structure of these documents can vary as it is **not enforced** like SQL databases. This is one of the advantages of using NoSQL as it speeds up application development and reduces the complexity of deployments.

The example below is a reminder of how data is stored in Mongo vs. SQL Database:

MONGO

PEOPLE

```
[{
  "id": 1,
  "FirstName": "Aicha",
  "LastName": "Makhlouf",
  "Email": "Aicha.Makhlouf@gmail.com",
  "Phone": [
    {
      "Home": "+1.123.456.7890"
    },
    {
      "Work": "+1.111.222.3333"
    }
  ]
},
{
  "id": 2,
  "FirstName": "Mohamed",
  "LastName": "Bechikh",
  "Email": "mohamed.bechikh@gmail.com",
  "Phone": [
    {
      "Home": "+1.123.456.7890"
    },
    {
      "Work": "+1.111.222.3333"
    }
  ]
},
{
  "id": 3,
  "FirstName": "Samira",
  "LastName": "Yaacoob",
  "Email": "samira.yaacoob@gmail.com",
  "Phone": [
    {
      "Home": "+1.123.456.7890"
    },
    {
      "Work": "+1.111.222.3333"
    }
  ]
}
```

SQL

PERSON

Id	FirstName	LastName	Email
1	Aicha	Makhlouf	Aicha.Makhlouf@gmail.com
2	Mohamed	Bechikh	mohamed.bechikh@gmail.com
3	Samira	Yaacoob	samira.yaacoob@gmail.com

PHONE_NUMBER

PersonId	PhoneId	Phone Number	Type
1	1	+1.123.456.7890	Home
1	2	+1.111.222.3333	Work



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