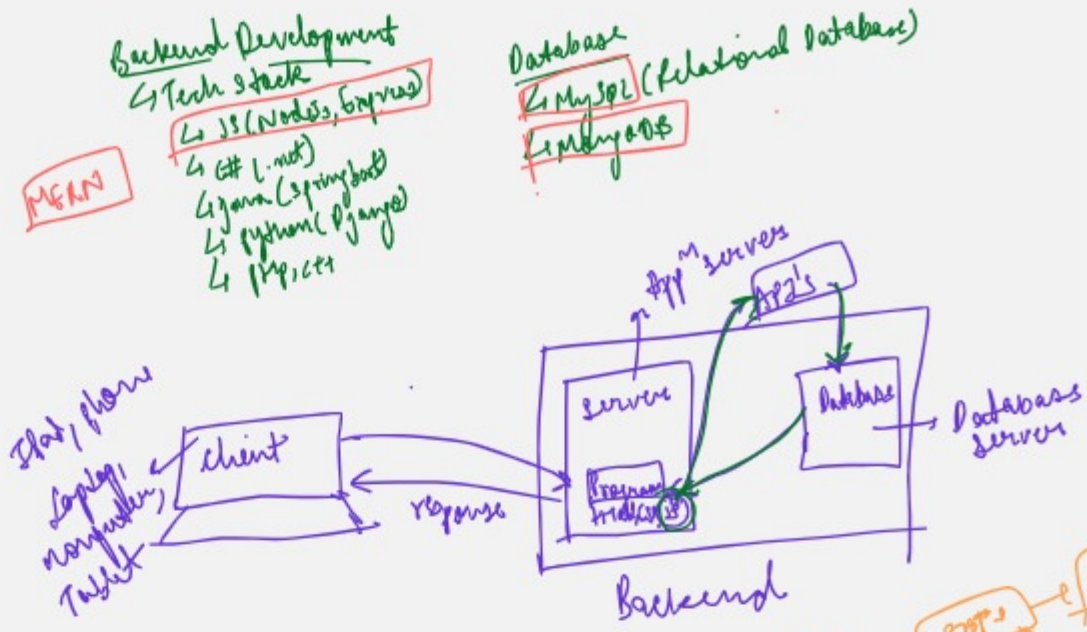


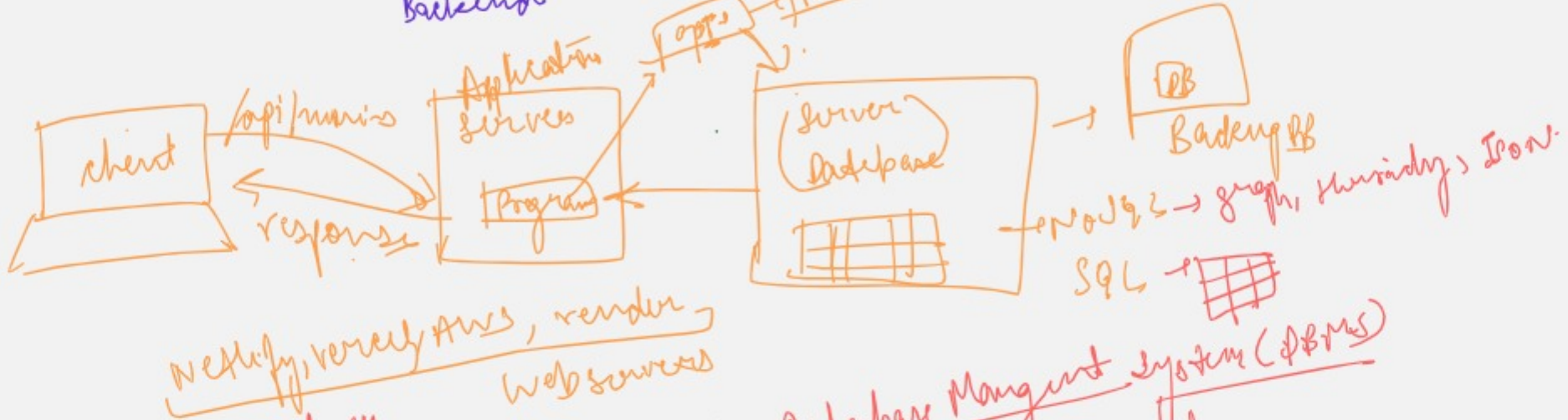
# 3-Tier architecture



**Backend Development**  
 ↳ Tech stack  
 ↳ JS (Node.js, Express)  
 ↳ C# (.net)  
 ↳ Java (Springboot)  
 ↳ Python (Django)  
 ↳ PHP, C++

**Database**  
 ↳ MySQL (Relational Database)  
 ↳ MongoDB

**Backend**  
 ↳ Server logic  
 ↳ Authentication  
 ↳ Database management  
 ↳ API development



## Backend Developer

- DSA Algo
- Programming lang + framework  
 ↳ JS → Node.js  
 C# → .net  
 Java → Springboot  
 Python → Django

## Database Management System (DBMS)

- ↳ MySQL → SQL
- ↳ Oracle → SQL
- ↳ MariaDB → SQL
- ↳ PostgreSQL → SQL
- ↳ MongoDB → NoSQL

## Hosting (Deployment)

- ↳ Netlify, Vercel, AWS, Heroku, Render

## Types of DBMS

- Relational Database (SQL)

Table (Products)			
id	name	price	
1	Apple	100	

Table - customer	
id	name

Types of DBMS  
 ↳ MySQL, Microsoft SQL Server, Oracle, MariaDB, PostgreSQL

## NoSQL DBMS

- ↳ No structure
- Types → MongoDB, Cassandra, DynamoDB, graphDB, columnDB

## Object oriented (OODBMS)

- ↳ object store, variant

## Hierarchical DBMS

- ↳ Nodes

## Network DBMS

