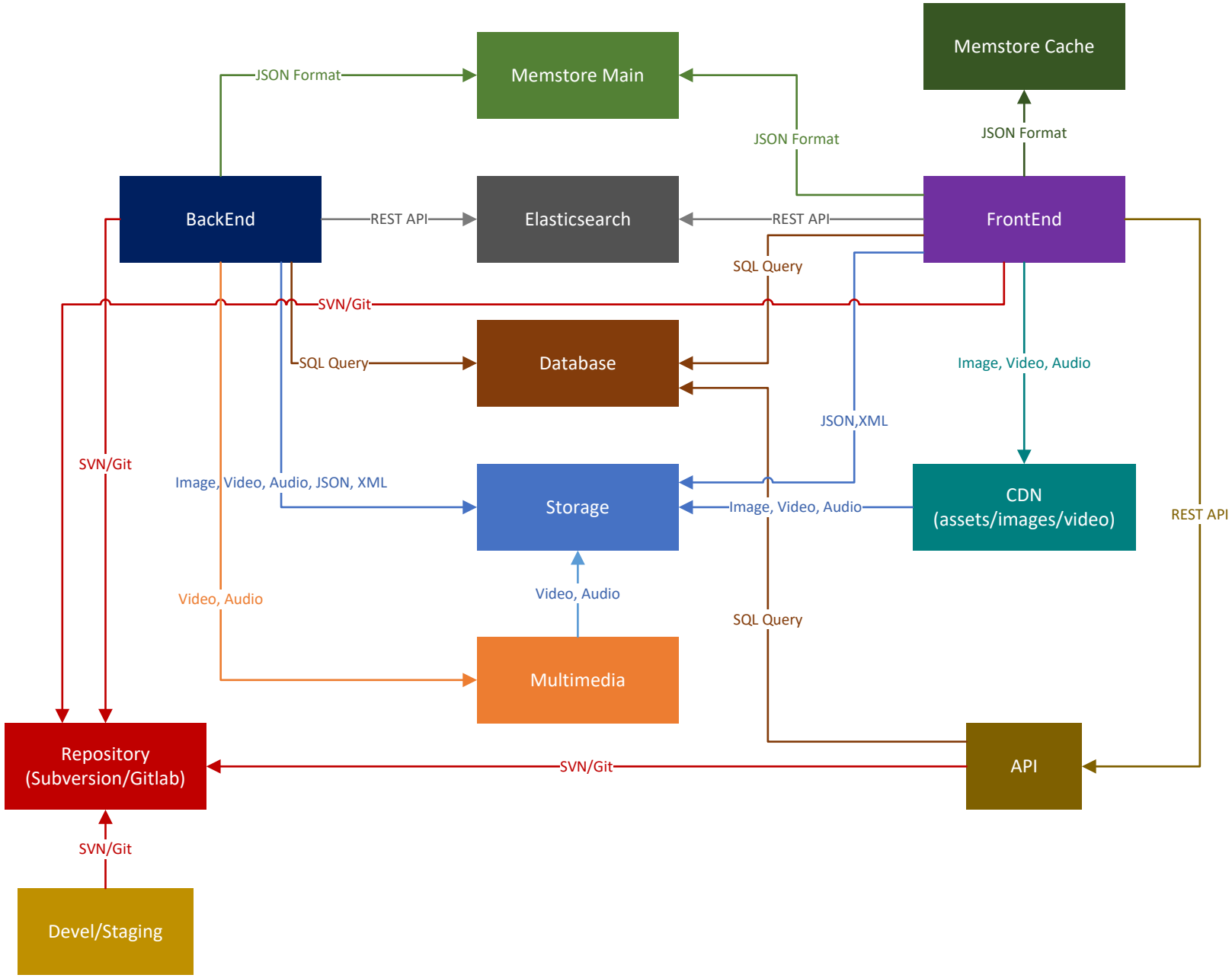
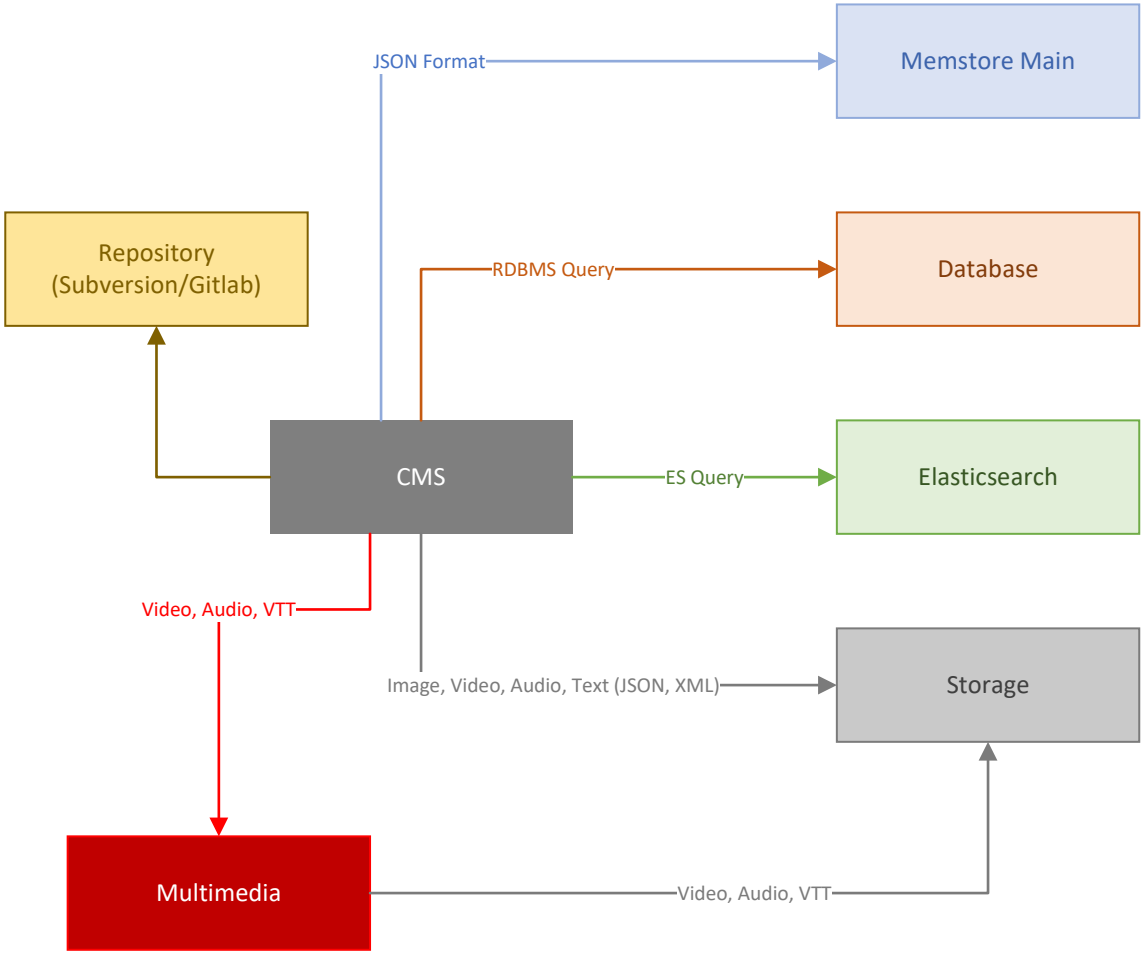
Application & Data Flow





BackEnd Application Services

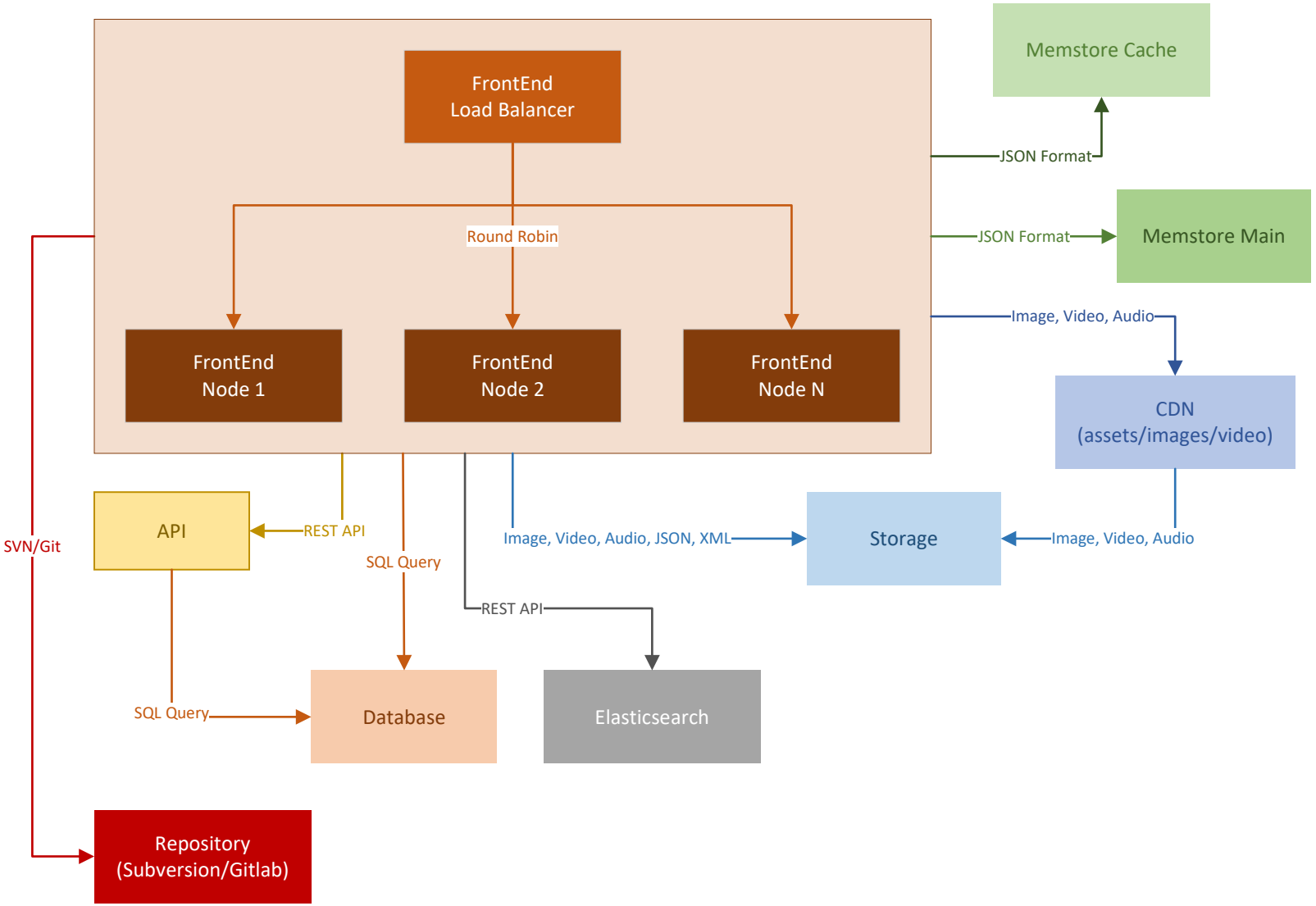
CMS (Content Management System)
A. Web Server
- Nginx 1.23.x
- PHP 8.x

B. Code Framework
- Codeigniter 3.1.x

Multimedia
A. Web Server
- Nginx 1.23.x
- PHP 8.x

B. Code Framework
- Codeigniter 3.1.x

C. Media Encode Tools
- FFMPEG



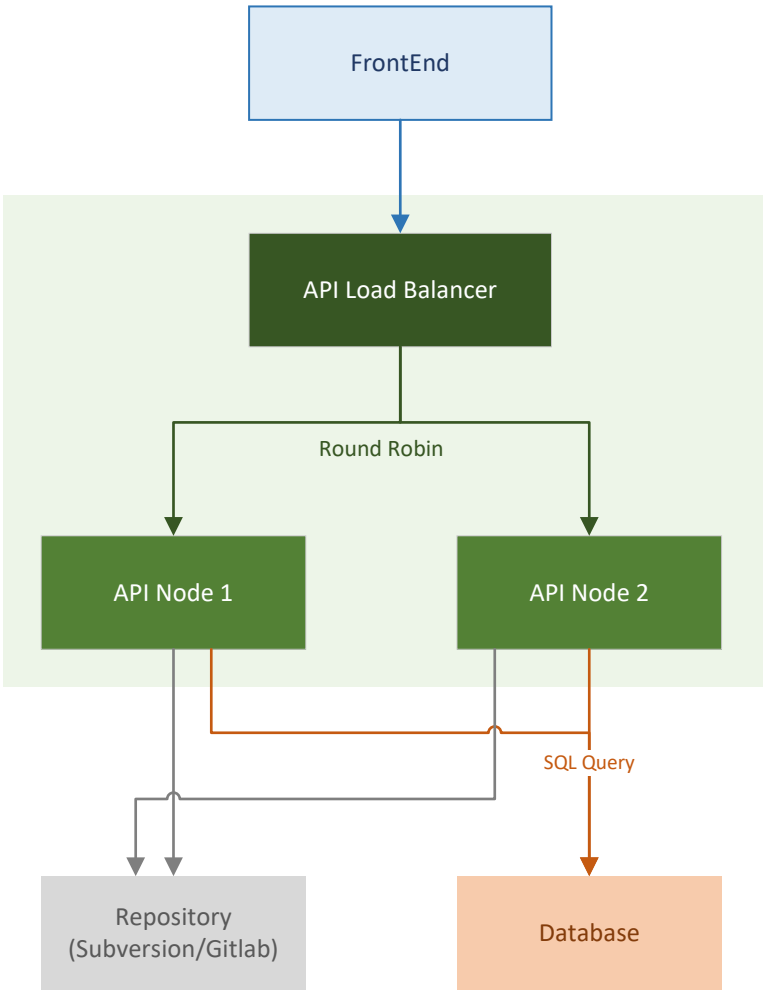
FrontEnd Spec

FrontEnd Load Balancer
- AWS ALB

FrontEnd Node
A. Web Server
- Nginx 1.23.x
- PHP 8.x

B. Code Framework
- Codeigniter 3.1.x

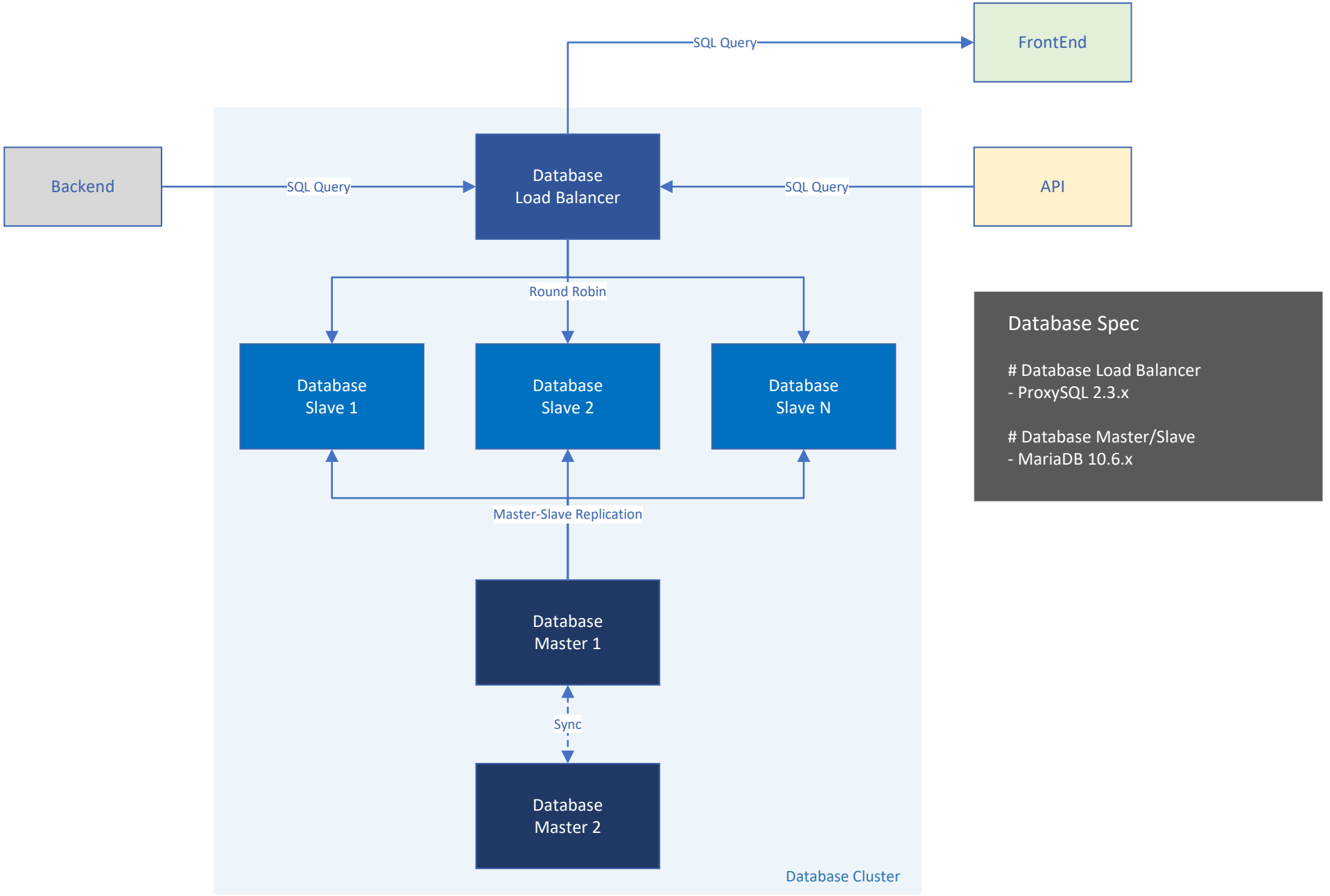
C. UI Layout Code
- HTML5
- CSS3
- Javascript

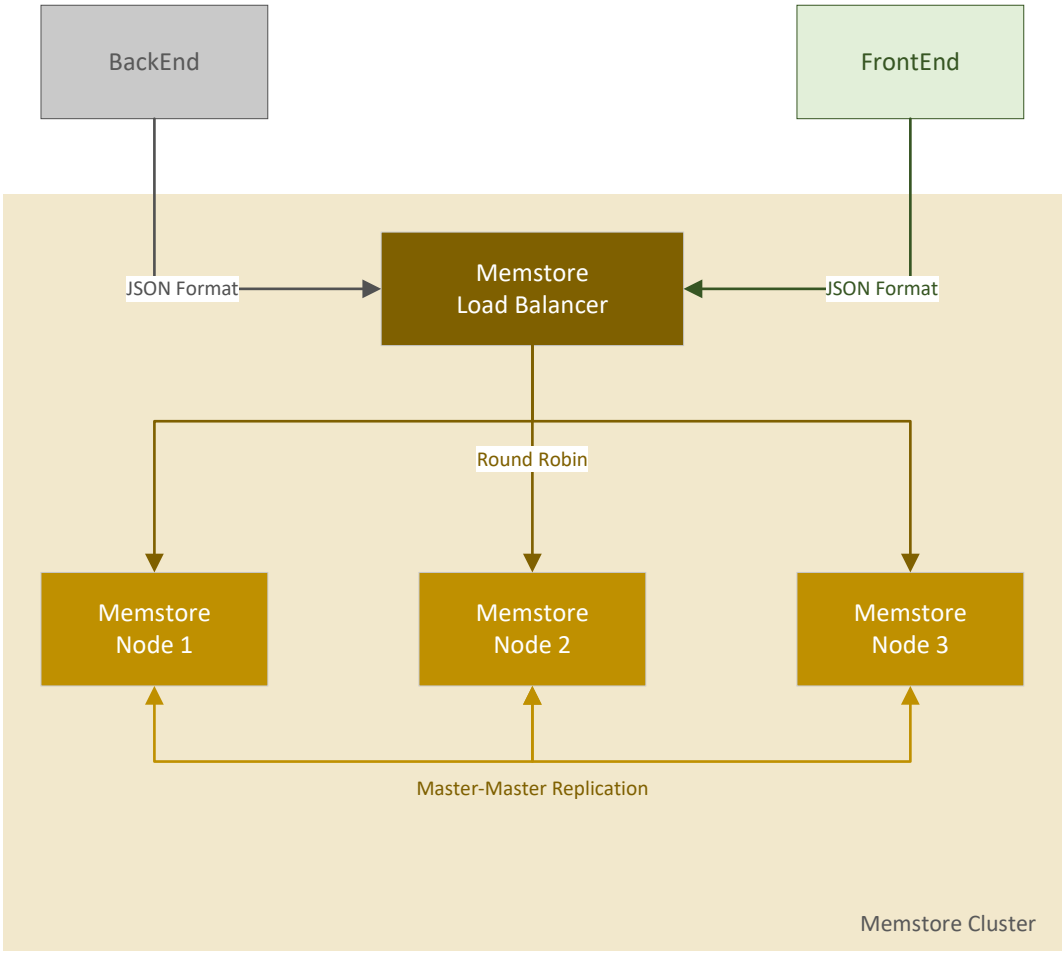


API Spec

API Load Balancer
- Nginx 1.23.x

API Node
- Node JS 14.18.x

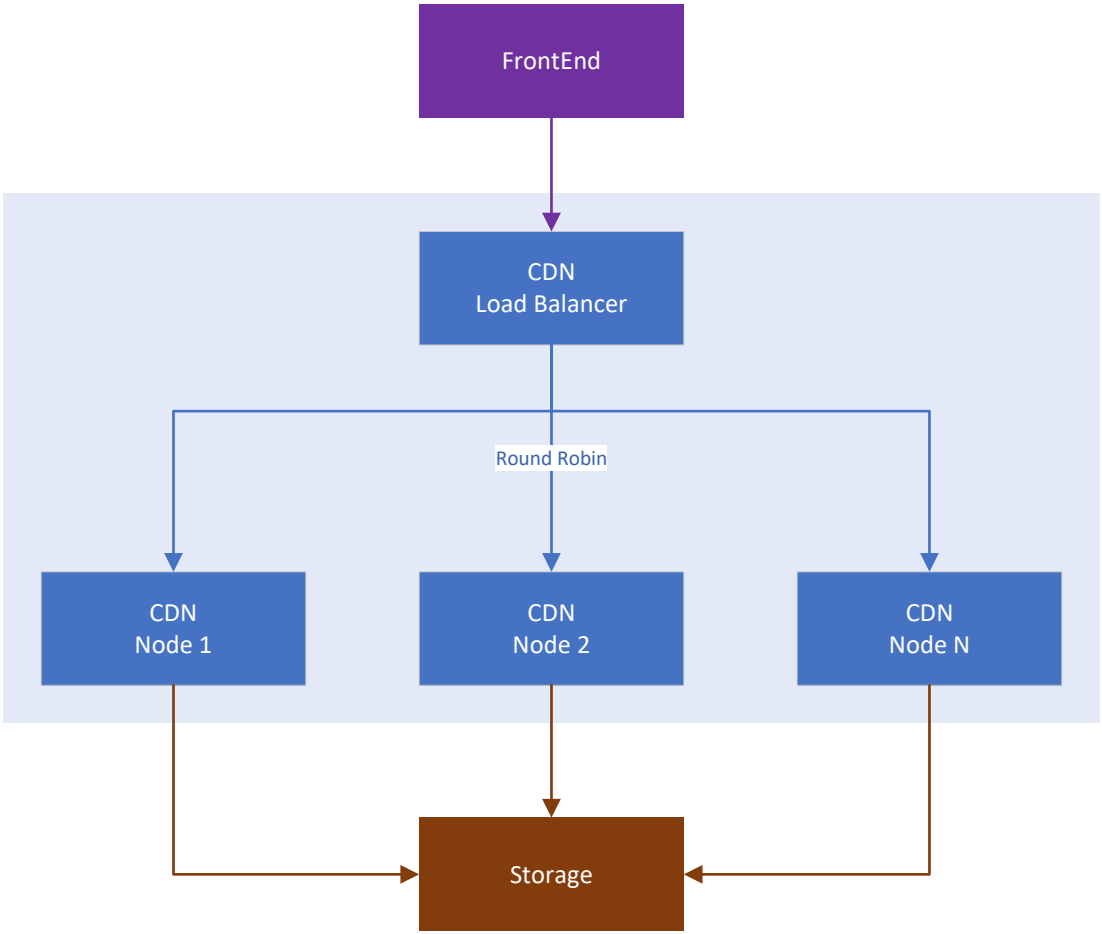

FrontEnd
SQL Query
Backend
SQL Query
Database
Load Balancer
SQL Query
API
Round Robin
Database
Slave 1
Database
Slave 2
Database
Slave N
Master-Slave Replication
Database
Master 1
Sync
Database
Master 2
Database Cluster
Database Spec
Database Load Balancer
- ProxySQL 2.3.x
Database Master/Slave
- MariaDB 10.6.x



Memstore Main/Cache Spec

Memstore Load Balancer
- Twemproxy 0.5.x

Memstore Node
- Redis 6.2.x
- Netflix Dynomite 0.6.x



CDN Spec

CDN Load Balancer
- AWS ALB

CDN Node
A. Server
- Nginx 1.23.x

B. Module
- Image Filter
- Dynamic Resizing
- VoD HLS Kaltura