Edge Service

Web Clients

Desktop App Clients

HTTPS

HTTPS

Load Balancer (Ribbon)

API Gateway (Zuul)

Circuit Breaker (Hystrix)

Web UI

Configuration Services

Discovery Service

(Redis Service)

Logging Service

RESTAPI Ribbon

Auth JWT Provider

RESTAPI Ribbon JWT handler

Registration Service

JPA

User DB

RESTAPI Ribbon JWT handler

JobApplication Service

JPA

JobApplication DB

Notes:
Explanation to the diagram:
Blue containers - has connection to outside world
Green containers - bussiness logic
Yellow containers - services that handle non-functional requirements, connected to all nodes except DB (and Client)
Red containers - databases
White components - components inside a service

Configuration Service has secured connection to all services in the systems and holds configuration for every service and shared resources - for example password to DB which are of course decrypted

Discovery Service is connected to all bussiness-logic services so they can be found by load balancer and them selves.

Registration and JobApplication Services has serveral ways of commnunication - using RestAPI for read and Redis for write to make sure that no write request disappear if service is down and need time to get back up again.