

## Bounded Contexts:

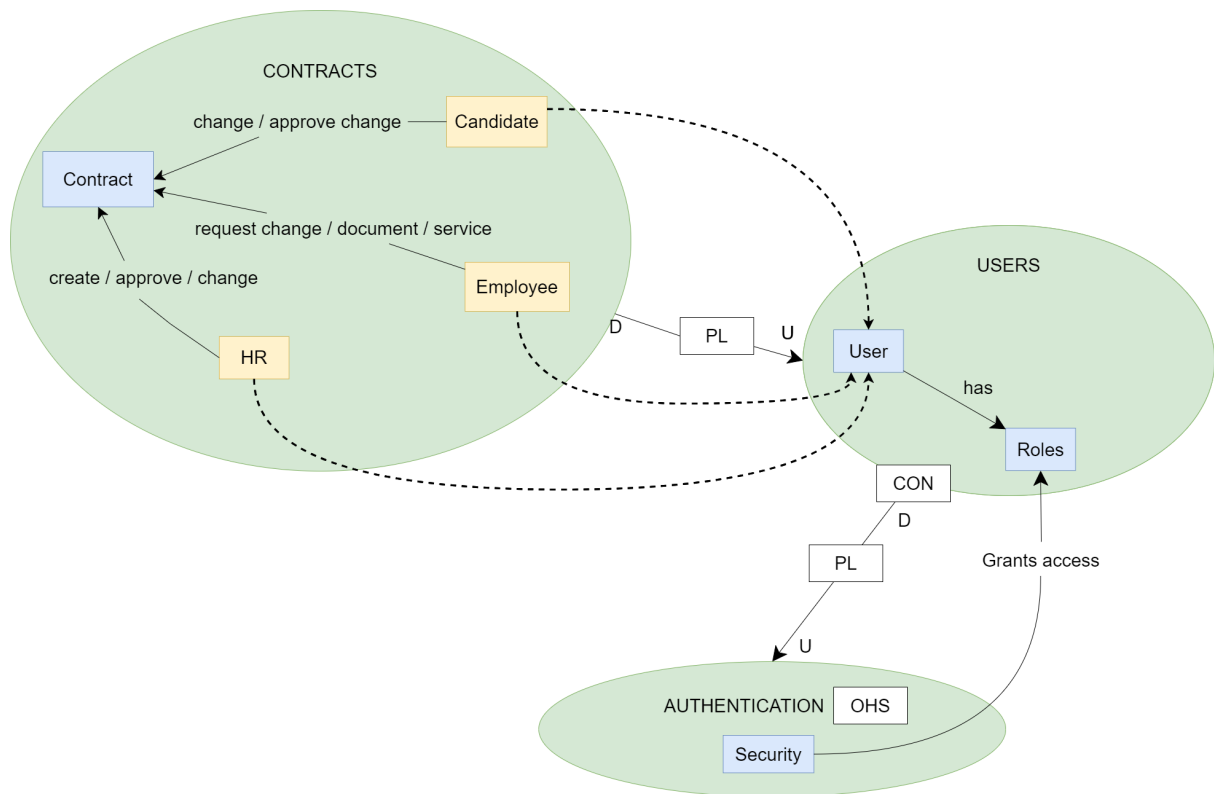
- Users (Core Domain) - Upstream to Contract / Downstream to Authentication
  - HR
  - Employee
  - Candidate
  - Users log in to communicate with the authentication bounded context
- Contract (Core Domain) - Downstream to Users
  - User communicates with contract to edit it
  - Contract communicates with the users through approvals of the edits
  - Design pattern: **Published Language**
    - Contracts should be in the same format
- Authentication (Generic Domain) - Upstream to Users
  - Security
  - Authentication communicates with Users to give it access to the application, and to decide whether it goes to the HR or Employee window
  - Design pattern: **Conformism**
    - Between Authentication and Users
  - Design pattern: **Open-host Service** between Authentication and Users
    - Authentication service can be used by HR members & candidates
    - Authentication API is open
  - Design pattern: **Published Language**
    - Username/password need to be sent in the same format each time

Abbreviations:

**CON** - Conformism

**OHS** - Open-host Service

**PL** - Published language



*Figure 1 - Design architecture of the Microservices*