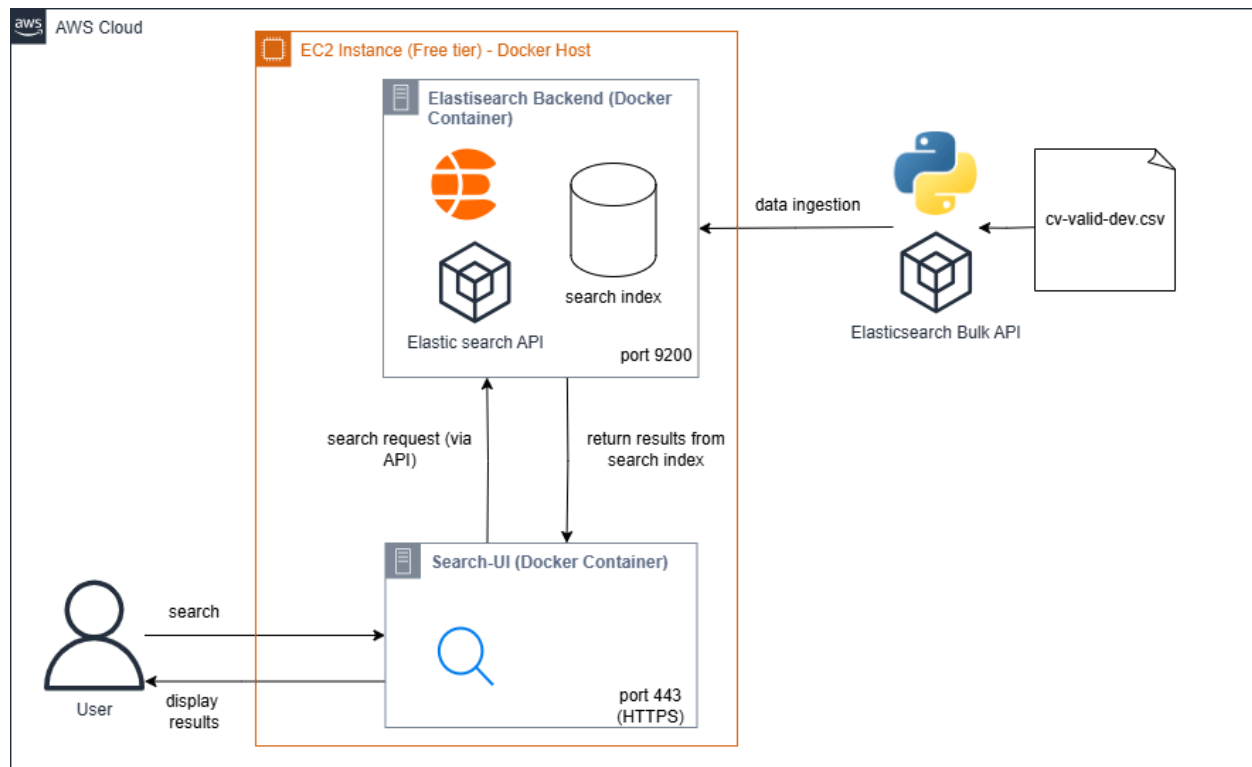


Task 3 Design



1. Data is ingested from the csv file to the search index of elasticsearch backend via a programmatic approach -- using the bulk elastic search api, via a python client.
2. User searches through the data using one or more fields via the search-ui. This will be done via HTTPS protocol, so search-ui should be running on port 443.
3. An API call will get the data results based on the search by querying the search index database in the elasticsearch backend container which is running on port 9200.
4. Results will be displayed on the search-ui to the user.
5. The elasticsearch backend and search-ui will be running on separate docker containers but will be hosted on the same EC2 instance.