



Opportunity Management Application

Rohit Michael Gonsalves

Under the Mentorship of:

Mr. Rahul Soni (Java Backend)

And

Mr. Pratik Anand (Angular Frontend)

Objective



While using this application, a user must be able to:

- Authorise himself with his organizational Mail Id via Google.
- View Previously posted Opportunities.
- Add new Opportunity/Job postings.
- Restricted Edit Existing Job Postings.
- View Previous versions of Edited Job Postings
- Delete Job Postings.
- View Trends on the Active Job Postings.

Tech Stack



→ Frontend:

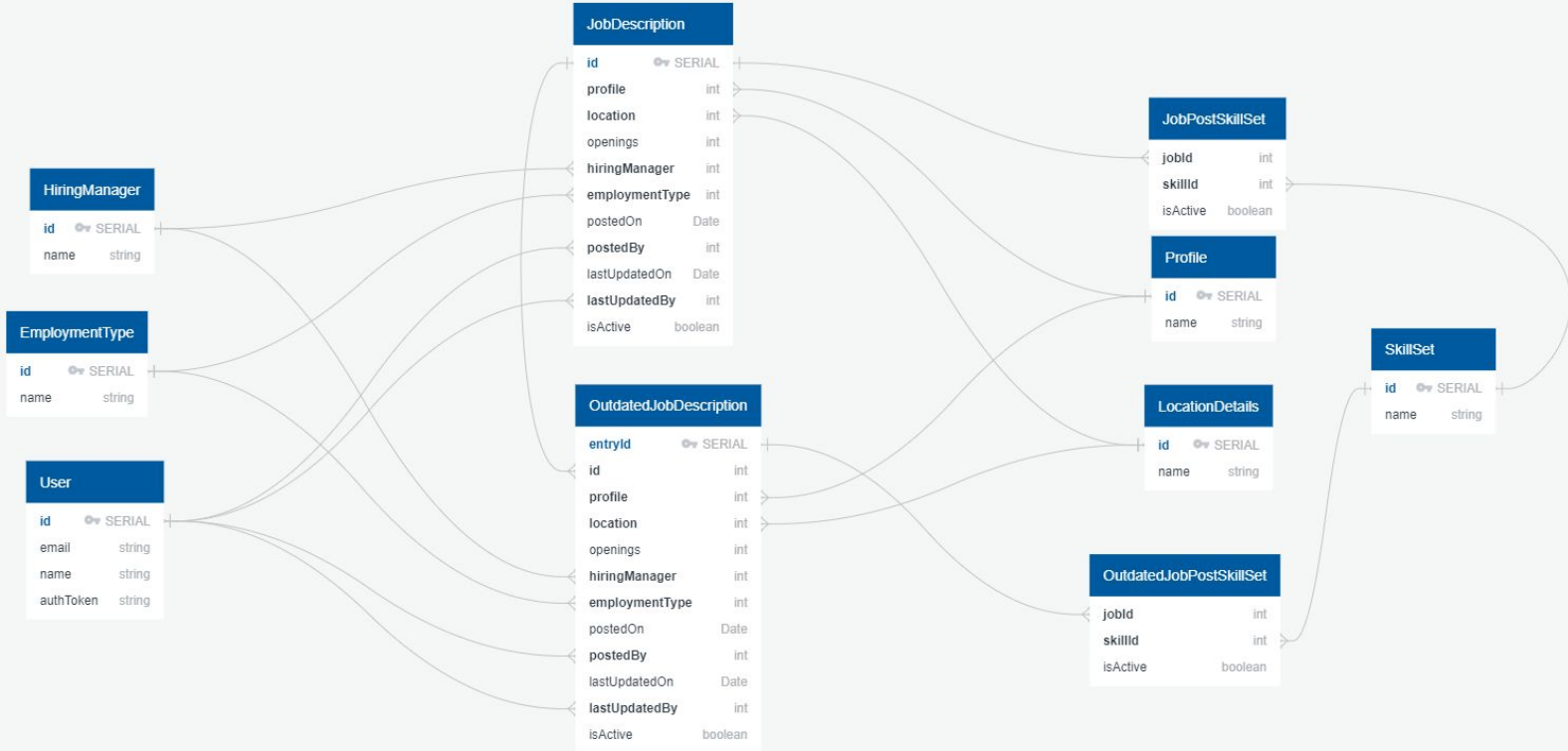
- ◆ Angular 9, TypeScript (Development Framework)
- ◆ Charts.js (Insights)
- ◆ Ng2-charts (angular engine for charts.js)

→ Backend

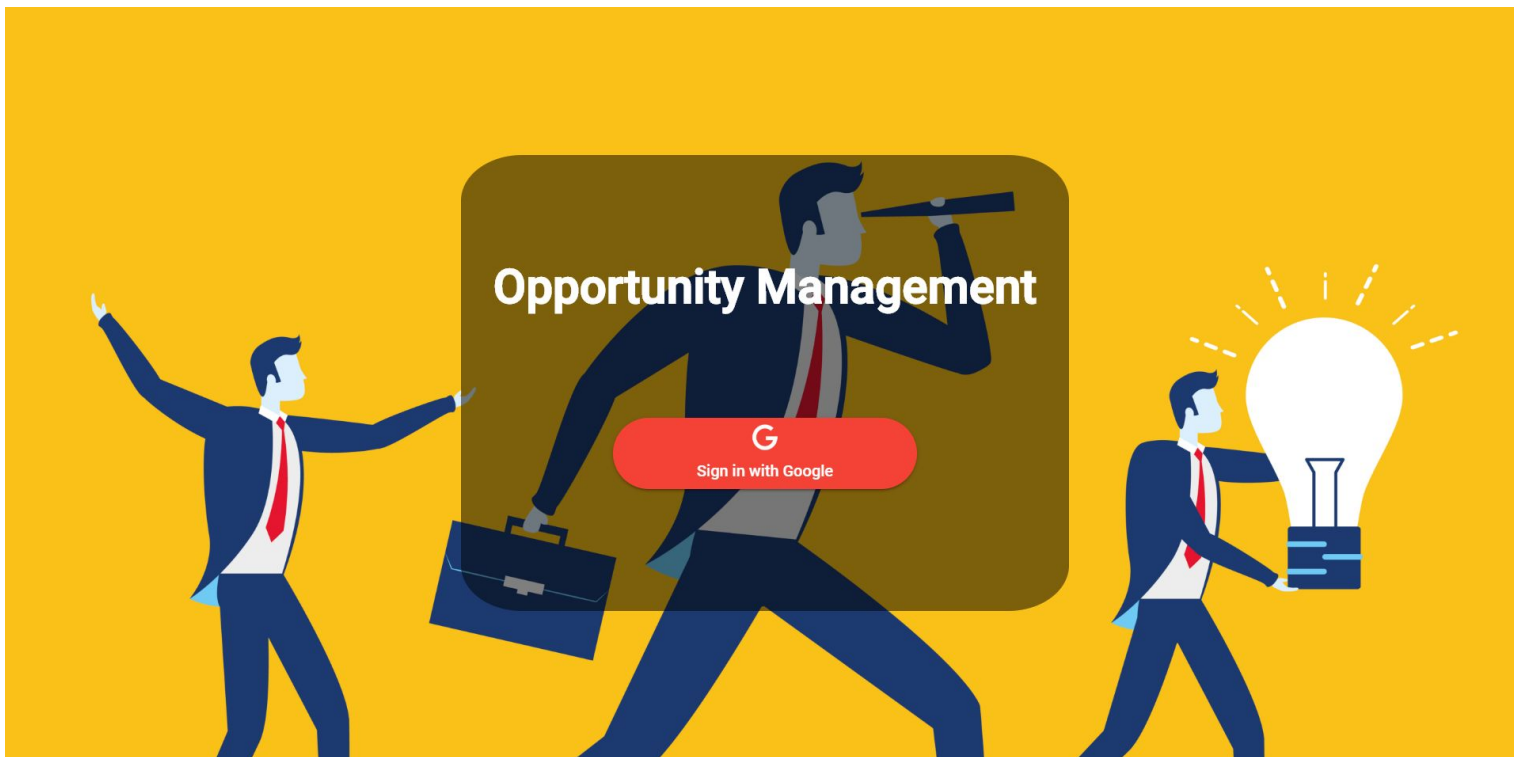
- ◆ Java 8 (Development Language)
- ◆ Spring BOOT(Server and EndPoints) (MVC Architecture followed with Controller, Service, DAO and Repository).
- ◆ Spring JDBC and JdbcTemplate (Database Access and Querying engine)
- ◆ PostgreSQL(Database)
- ◆ JUnit Jupiter 5 + Mockito(Unit testing and Dependency Mocking)
- ◆ Cucumber + JUnit Vintage Engine(Integration Testing)
- ◆ Slf4j and LogBack (Logging)
- ◆ SonarLint for Code Smells

Database Schema

www.quickdatabasediagrams.com



Login



Filter
Full

Filter By

Employment Type

1 - 8 of 8

Add/Edit Opportunity

Add Opportunity

Profile

Technical Analyst ▼

Employment Type *

Internship ▼

Openings *

10

Location *

Gurugram ▼

Hiring Manager * ▼

Please Select a Hiring Manager

Type in the Skill

Git ✕

Networking ✕

Angular ✕

Swift ✕

Job Description

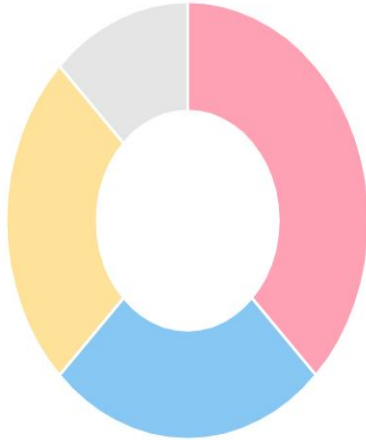
The Best Analyst job you could find

Submit

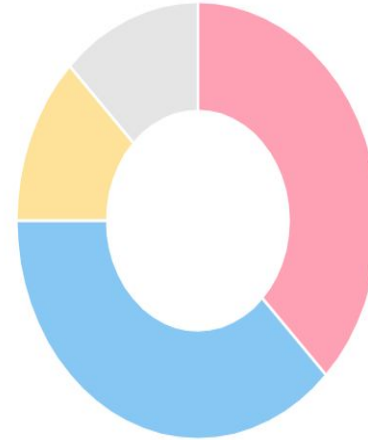
Reset

Trends

Location Wise Opportunities



Hiring Manager Wise Opportunities



Project Structure, Model Classes and Lombok

```

v [icon] > com.accolite.opportunitiesportal
  > [icon] > auth
  v [icon] > config
    > [icon] AddResponseHeaderFilter.java
    > [icon] AppConfig.java
    > [icon] CorsConfig.java
  v [icon] > jobs
    > [icon] constants
    v [icon] > controller
      > [icon] > JobAttributesController.java
      > [icon] > JobController.java
      > [icon] > JobDescriptionVersioningController.java
    v [icon] > dao
      > [icon] > JobsAttributeDao.java
      > [icon] > JobsDao.java
    > [icon] model
    > [icon] queries
    v [icon] > repository
      > [icon] > JobsRepository.java
    > [icon] rowmapper
    v [icon] > service
      > [icon] > JobAttributeService.java
      > [icon] > JobsService.java
  > [icon] OpportunitiesPortalApplication.java

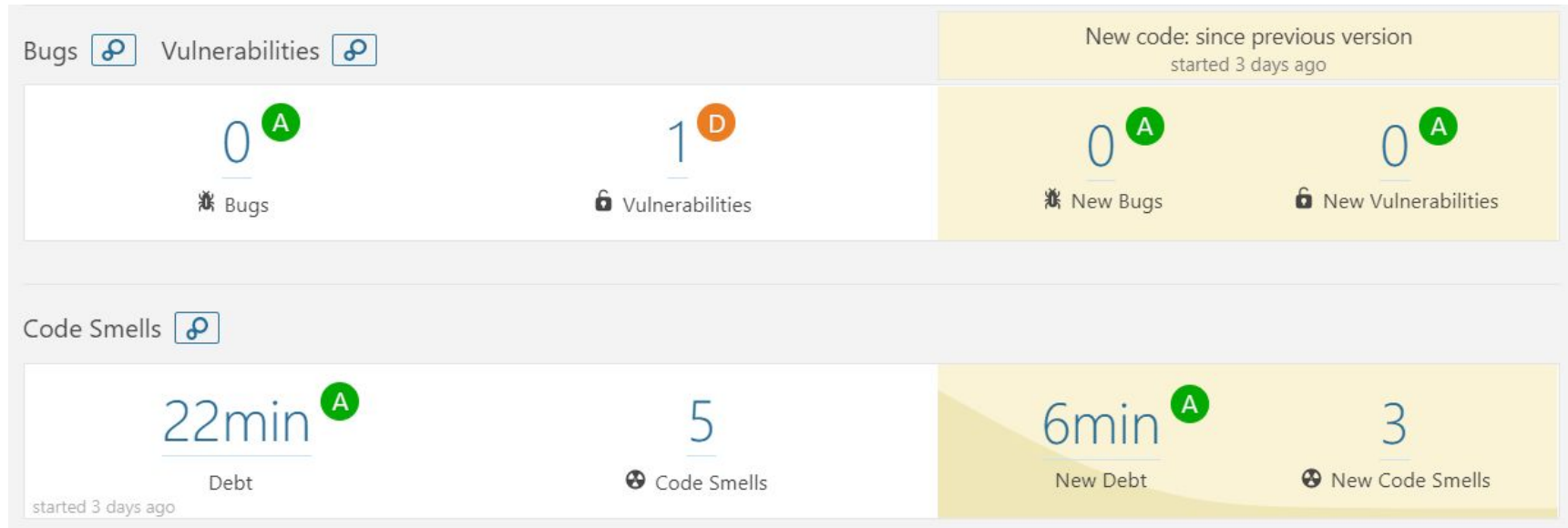
```

```

3+ import java.util.Date;
9
10 @Getter
11 @Setter
12 @AllArgsConstructor
13 @NoArgsConstructor
14 public class JobDescription {
15
16     int id;
17     int profile;
18     int location;
19     int employmentType;
20     int hiringManager;
21     int openings;
22     Date postedOn;
23     int postedBy;
24     Date lastUpdated;
25     int lastUpdatedBy ;
26     String description;
27
28
29 }
30

```

Quality Reporting in SonarQube



Code Coverage (Unit + Integration Testing) 96.7%

Finished after 16.886 seconds

Runs: 110/110 (2 skipped)

Errors: 0

Failures: 0

- > JobDescriptionVersioningControllerTest [Runner: JUnit 5] (0.444 s)
- > MobileProviderSignInControllerTest [Runner: JUnit 5] (1.080 s)
- > JobsRepositoryTestActual [Runner: JUnit 5] (1.599 s)
- > UserRepositoryTest [Runner: JUnit 5] (0.125 s)
- > JobsRepositoryTest [Runner: JUnit 5] (0.283 s)
- > OpportunitiesPortalApplicationTests [Runner: JUnit 5] (0.469 s)
- > RunCucumberTest [Runner: JUnit 5] (3.212 s)
- > JobsServiceTest [Runner: JUnit 5] (0.234 s)
- > JobsDaoTest [Runner: JUnit 5] (0.156 s)
- > SessionCryptTest [Runner: JUnit 5] (0.031 s)
- > JobsControllerStepDefinitions [Runner: JUnit 5] (0.157 s)

Failure Trace

Coverage

java (4 Jun, 2020 11:17:38 PM)

Element	Coverage	Covered Instru...	Missed Instruct...	Total Instructio...
▼ opportunitiesportal	98.1 %	6,289	121	6,410
> src/main/java	96.7 %	3,142	108	3,250
> src/test/java	99.6 %	3,147	13	3,160

REST Endpoints Documentation using Swagger

The screenshot displays the Swagger UI interface for an OpenAPI definition. At the top, the title "OpenAPI definition" is followed by version "v0" and the specification version "OAS3". Below this, a table shows coverage statistics:

Element	Coverage	Covered Instru...	Missed Instru...	Total Instructio...
api/v3/api-docs	93.3 %	5,871	422	6,293

The "Servers" section shows a dropdown menu with the selected server URL: "http://localhost:8081 - Generated server uri".

The main content area lists two controllers:

- mobile-provider-sign-in-controller**
 - POST** /api/jobs/signin/{providerId}
 - POST** /api/jobs/verifySession
- job-attributes-controller**
 - GET** /api/jobs/DropDownMap
 - GET** /api/jobs/jobInsights
 - GET** /api/jobs/DropDownItems



Thank You 📡😊