**ProfileAct**

*Wilfredo Montanez Vazquez<*[*wilfredo.montanez@upr.edu*](mailto:wilfredo.montanez@upr.edu)*>*

*Fernando J Arocho Colom <*[*fernando.arocho@upr.edu*](mailto:fernando.arocho@upr.edu)*>*

*Luis E Millan Martinez<*[*luis.millan3@upr.edu*](mailto:luis.millan3@upr.edu)*>*

# **Introduction**

‘ProfileAct’ is a web application software that aims, to benefit students and research groups with their exposure to companies and graduate schools, by providing a simple way of promoting themselves via an online portfolio. The software will let users upload a profile with their professional information, with the intention of being accessible by recruiters during the job fair week. It will improve the communication between students and potential employers, and facilitate the process of recruitment in campus. It will be open to students from all majors, allowing for a larger group of students to be encouraged to attend the job fair and take advantage of the networking opportunities. Also, it will allow research groups to gain more opportunities for sponsorship from the industry and academia.

This software is going to be developed using Heroku Web services, Sublime 3, Angular.js 1, HTML, CSS, Bootstrap, Node.js and PostgreSQL. The main reason for the software being a web application is so that it is readily available to all users in their browser’s disregarding operating system. It will also take away the hassle of having to download any additional software to be able to run the application.

# **Client App Description**

The Application will act as an online portfolio to connect companies and possible future employers to students. Here, the students will be able to provide information such as personal projects, resume, contact info and future careers interests for the recruiters. They will also have the capability of looking for career fair related events and add them to a list of reminders. The recruiters will have the opportunity to search for students, and filter them out by major, gpa, year of study and interests. In addition they will be able to search research projects and nominate them for possible sponsorship with their respective companies and they would have the option of providing funds through the application.

# **Server Side Description**

Heroku web services with Node.js will be used to implement the backend. The Free-Dev Plan from Heroku will provide 512MB of RAM power and a maximum of 1 web service, Node.js on the other hand will provide the web framework to connect the front-end and the database seamlessly. PostgreSQL will be use for the Database Management System (DBMS) and it is included in the package from Heroku. This web application will be managed with a GitHub account that will let developers push updates to their code and maintain multiple version of it available, in case any harm or corruption is presented in the latest installments. The back end will manage a payment system that will be used to collect funds from sponsoring companies to research groups and projects being developed by students at the university.

# **Division of Labor**

**Fernando:**

* + Student Profile
  + Sign Up Form
  + Sign in Form

**Wilfredo:**

* + Main Page
  + Transactions
  + Recruiter Profile

**Luis:**

* + Admin Profiles
  + Password Recovery
  + Research and Projects profiles