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# **SAMUEL NJOROGÉ**

**FOR:**

**CAREER PACKS**

## **PROJECT SCOPE**

**October 24, 2022**

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### **OVERVIEW**

#### **1. Project Background and Description**

Newbies, especially students, have difficulties in identifying well defined paths in different technology domains. This facilitates a difficult and tough learning curve. To curb this, they need:

- i) A guided career path to facilitate smooth learning.
- ii) Free learning resources in terms of courses and bootcamps.
- iii) Internships and Apprenticeships to provide industrial experience at an early stage.
- iv) Job opportunities for learners to showcase their skills to employers.

#### **2. Project Scope**

To achieve the above, the project will implement a responsive web-based application system that will be accessible over the internet through: -

- Smart phones
- Small devices like ipad and ipad-like devices) .
- Laptops, desktops and large systems.

The main functionalities that will be implemented are:

##### **Career Paths Module**

The module will focus on the following domains :

- Data Science
- Data Analysis
- Machine Learning Engineering
- Data Engineering
- Cyber Security
- Cloud Devops Engineer
- Front-End Development
- Back-End Development

- UI/UX
- Project Management

### **Resources Module**

The resources will be classified into

- a) Free
- b) Paid

The learning resources will be offered in forms of

- i) Courses
- ii) Bootcamps
- iii) Certifications

### **Internships & Apprenticeships Module**

The module will avail opportunities for learners to gain Industrial experience by applying to top rated companies and work either

- i) On-site
- ii) Remote

### **Jobs Module**

The module will avail learners with application for job vacancies and opportunities. It will consist 3 sub modules which describes the job-levels as follows:

- i) Entry-level
- ii) Mid-level / Intermediate
- iii) Senior Level

## **3. High-Level Requirements**

The system is accessible by any device with internet access and the latest browser.

### **4. Deliverables**

- Back-end software
- UI Prototype to access the links in the modules. .
- Responsive web based application
- User documentation manual.

### **5. Affected Parties**

- Technology newbies

### **6 Specific Exclusions from Scope**

The following will be excluded and will come in the subsequent phases: -

- LinkedIn connection through the API, that will enable real-time updates of job opening posts by companies

## **7. Implementation Plan**

The implementation of necessary stubs to enable development of the prototype will start. After the stubs, the UI prototype will be developed. After the UI prototype has been done,

the stubs will be replaced with the modules, starting with Career Paths, followed by the Resources, Internship & Apprenticeship and finally the Jobs module.

## 9. High-Level Timeline/Schedule

	Date	Description	
1	24/10/2022 - 30/10/2022	UI Prototype/Wireframe	
2	31/10/2022 - 5/11/2022	Career Paths Module	
3	6/11/2022 - 10/11/2022	Resources Module	
4	11/11/2022 - 15/11/2022	Internships & Apprenticeships Module	
5	16/11/2022 - 20/11/2022	Jobs Module	
6	21/11/2022 - 28/11/2022	User Training	