**PROJECT PROPOSAL**

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| **PROJECT TITLE** | Folio3 Summer Internship Project | | |
| **SUBMITTED BY** | Team 6 | **SUBMITTED TO** | Folio3 |
| **VERSION** | Version v1.0.0 | | |
| **DATE  SUBMITTED** | 27th June, 2022 | **PROJECTED  START DATE** | 24th June, 2022 |

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| Provide Name, Title, Phone, and Email Address for each stakeholder below. | |
| **PROJECT SPONSOR** Commissions delivery of and champions project; Provides vision and direction; Accepts responsibility | |
| Folio3 | |
| **FUNDING SPONSOR** Person / department obtaining budget required | |
| Folio3 | |
| **PROJECT OWNER** Confirms need for project and validates objectives; Provides specs, monitoring, overall delivery | |
| Team 6 | |
| **PROPOSAL FACILITATOR** Proposal preparation support | |
| * Abroo Jalil * Farhan Alam | |
| **ADDITIONAL STAKEHOLDERS** | |
| **STAKEHOLDER NAME** | **STAKEHOLDER ROLE** |
| Job Seeker | Create account, enter all the essential information that a resume contains including career objective, job experience, position, technical and core skills, and pay for the account creation. |
| Organization | Create account, upload vacant job position with complete job description on the portal. |

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| **PROJECT NAME AND DESCRIPTION** |
| Name: Jobia  Description: Jobia is a service based product which caters two end users; job seeker and organization. Firstly, the job seeker will feed all the important credentials to create the account on the system. For this, he/she will enter all the required information about his education, career objective, past job/project experiences, technical and core skill set. The system will generate his resume according to the information fed by him. The user will have to pay for creating his resume on our portal via easypaisa or jazzcash. On the other hand, organizations will also have to create an account with all their important credentials. Further, they will post job description for vacant positions on the portal. The job description will include required minimum experience and skill set for each vacant position. The organization will be charged if they find the best fit for their respective vacant position. In addition, the system matches available generated resumes of users with different organization’s job description. The resume will then be forwarded to the respective organization based on accuracy. If the resume matches the job description with an accuracy of 70% or more, it will be sent to that particular organization. The job seeker will be notified about the organization that his resume has been forwarded to. The organization will be provided with all the appropriate resumes which can be used for proceeding further. |
| **PURPOSE / GOALS** |
| The fundamental thought behind proposing this idea is to provide a platform for both job seekers and organizations to fulfill their needs. The portal provides employment opportunities to the job seekers and reduces the effort of searching job of desired position. It facilitates the organization by filtering all the appropriate resumes according to the job description which eventually minimizes human resource work and screening process. |
| **ASSUMPTIONS** |
| * Requirements will be gathered by survey forms. * All of the people that are involved at the beginning of the project will remain and stay in the project until the project is completed. * All the resources that will be use in project making are available at the very start. * SRUM model will be used for execution. * Contracts and terms will be signed by companies on each hiring. * External testing will also be made. * For now, the website will run on local host which will be later hosted on the internet |
| **MEASUREMENTS OF SUCCESS** |
| * Scope – Covering up the most companies for the data base to provide jobs to user. * Customer Satisfaction – Number of clients getting job and satisfied with it. * Traffic – More the traffic generates more the project will be successful * Accuracy – How many companies are satisfied with the filtered results |
| **RISK FACTORS** |
| * Technology – The tech aspect of a project poses a critical threat to data security, organization services, compliance and information security * Performance – If the portal doesn’t meet the required performance, then it will go on a way to failure. * Unintended Changes – During the making of the project if the unintended change required then the time delay is expected. * Third Party – As the project required the data of multiple firms if they don’t agree to share with the company then it will directly affect to the completion of project. * Customer Dissatisfaction – The portal should be user friendly if the customer does not satisfy with it then the decrease in traffic on website is occur |
| **APPROACH** |
| * Technology will use Nest.js for backend and React as frontend * Data of the companies for the portal will be given during the making of the project * User friendly architecture will use * Third party API use for the transaction method * Delivery will be by Heroku * Project will be complete in 9 weeks * No such financial needs * The solution will reside in an online cloud |

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| **SCOPE OF WORK** |
| **GLOSSARY** |
| This project is like a prototype which are facilitated to the job seekers functionally which are automatically show the all types of vacancy and organizations. When end user fills the required according to the occupation or skills base then show the best match of job. |
| **PROBLEM STATEMENT** |
| We are scraping use for fetch all organization Data with respect all organization job available requirements.   * Libraries used for Web Scraping – As we know, Python is having various applications and there are different libraries for different purposes. In our further demonstration, we will be using the following libraries: * Selenium: Selenium is a web testing library. It is used to automate browser activities. * Beautiful Soup: Beautiful Soup is a Python package for parsing HTML and XML documents. It creates parse trees that is helpful to extract the data easily. * Pandas: Pandas is a library used for data manipulation and analysis. It is used to extract the data and store it in the desired format. * Algorithms – The fuzzy description matching algorithms which are based on python SDK. These algorithms match the job description and end user skills. We explore new Technology like NEST JS for Back-end development and also explore React for front end development for call third party API to fetch the data and display it |
| **GOALS OF THE AGREEMENT** |
| Reduce the time of user first time user fill the data form don’t waste time for search company we show the directly match user description and job seeker description. Achieving the technical constraints either language prospects. We provide the best portal for job seekers easy find out the job with less efforts |
| **OBJECTIVES OF THE AGREEMENT/DELIVERABLES** |
| Design should be done, research about the algorithm and scripting and also parallel working on front end or back end. We are following the agile process for a Deliverable project. The portal provides employment opportunities to the job seekers and reduces the effort of searching job of desired position. It facilitates the organization by filtering all the appropriate resumes according to the job description which eventually minimizes human resource work and screening process. |
| **ADMINISTRATION** |
| These Project will be required to give weekly reports for maintenance the weekly documents of:   * Analysis complete research about the algorithms. * Distribution task should be done. * Websites design and back-end Development also parallel done. |

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| **TIMELINE / MILESTONES** | | | | |
| **OVERVIEW** | As we are following the guided SCRUM methodology hence, we have a tentative 9 weeks’ timeline. | | | |
| **MILESTONE** | | | | **DEADLINE** |
| Project Proposal | | | | 27th June, 2022 |
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| **PROJECT COST AND RESOURCE ESTIMATE** | | | | |
| **OVERVIEW** | Since it is a internship project hence no additional costs are needed | | | |
| **NEEDS / INVESTMENT** | | | | **COST** |
| STAFFING - TECHNICAL | | | | - |
| STAFFING - FUNCTIONAL | | | | - |
| CONSULTATION | | | | - |
| TRAINING / DOCUMENTATION | | | | - |
| HARDWARE | | | | - |
| SOFTWARE | | | | - |
| OTHER | | | | - |
| **ESTIMATE TOTAL** | | | | - |