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Proposal for

**‘Technical Consulting Engagement’**

For ‘The Proman AI HRMS’ Platform

**Version 1.0**

Developed for

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**March 29th, 2022**

Developed by

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***Strictly Confidential***

**Versions**

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| **Date** | **Author** | **Change Summary** | **Version** |
| 29/03/2022 | Ritika Garga | Original Document | 1 |

**References**

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| --- | --- | --- | --- |
| **S.No** | **Documents/Meetings** | **Description** | **Date Shared** |
| 1 | Basic Specs 13 3 22.docx | (From Client) **Features desired of the technical platform** | Mar 13th 2022 |
| 2 | User Stories.docx | (From Client) Overall Roadmap of features from all users of the system | March 14th 2022 |

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# Overview

Proman Securitech wants to develop and launch an ‘AI based intelligent Screening and HRMS’ platform for purposes of recruiting blue and grey collar labor force. This will initially be for the security sector.

A one of its kind technology solution that will ease the process of hiring through machine learning. Technology will be used to detect and assess candidate’s speech, communication, confidence, EQ and other behavioral aspects will be judged and calibrated through analysis of eye and body movement.

This will be built as a product that can be white-labeled and licensed to other service providers. In addition it also needs to be architected in a manner such that it is multi lingual and can scale to other industries (other than security) gradually.

In order to achieve this goal a Solid Computer Vision model needs to be research and integrated into the platform. A scalable and modular Machine learning engine that does speech and body language analysis needs to be studied and customized. Similarly, other systems that do background verification need to be researched.

If one system does not do the trick, we may need to integrate with multiple systems.

1. Costs, accuracy, performance, ease and time of integration and security 🡪 all need to be considered while evaluating and picking the final product.

Atlogys wishes to engage with the stakeholders of this platform in this initial consulting engagement to help brainstorm through, and study various products available in the market. We will judge and analyze them on basis of factors mentioned in (A) above. An appropriate technical feasibility analysis will be done keeping in mind the outcome desired by our Client. The findings will be shared and a final development roadmap document.

This is a proposal for such an engagement and it lists the scope of work, the resources to be allocated by Atlogys, the deliverables, the Costs and Timelines along with process of collaboration during the engagement.

# ABOUT ATLOGYS

Atlogys is a niche web and mobile solutions company founded by Ex-Google Senior Software Engineers.

At Atlogys, we provide superior and cutting-edge IT consulting services for the design and deployment of large scale, distributed web and mobile applications.

Our goal is to make the process of outsourcing software completely hassle-free and high quality so that the entrepreneurs can focus on the business and not the software!

Through our engagement, clients get much better code, much sooner that is also optimized for their business requirements. Our hands-on service package helps reduce standard offshore software development timelines by almost 50% and the recurring software enhancement costs by up to 30%.

Our forte is scalable distributed heavy traffic large scale platforms on the web and mobile.

# 3. SCOPE OF WORK

This is an initial technical consulting engagement which will form the first step and be a pre-requisite for realization and execution of the complete platform.

# We will research and study the following TWO types of systems:

# AI based computer vision platforms which do analysis of eye movement, speech and body language in a video stream and/or in images

# Background verification systems that do a check on a person’s Aadhar database and/or criminal database and/or any other govt. established accredited databases.

# The scope of analysis will include (but not be restricted) to the following:

# Talk to industry experts in the area of computer vision systems

# Taking demos

# Discussing our particular requirements and Seeing the output provided and calibration metrics, score card provided etc.

# Categorizing and discussing with them what customizations they will need to do in their platform to support our use case

# Studying their SDK/API for our integration

# Finalizing list of customizations needed at our end

# Understanding cost model

# Accounting for aspects like performance, storage of data, security

# A lot of technical discussions need to happen and a lot of technical decisions need to be taken for deciding which platform to pick and why.

# 4. Deliverables

1. **Document on the Chosen/selected System – The document will contain**

* Final List of customizations to be done at either end to integrate
* Final Cost model agreed
* SDK/API’s to be used for integration
* Storage model and Batch processing
* Documentation of Request Cycle from mobile app till response is shared on admin panel

1. **Final cost for development of the project**

* Atlogys to calculate fixed man days for integration
* Atlogys to finalize total man Days of development
* Atlogys to present final roadmap for execution in terms of total cost and calendar months

# 5. Costing & Timeline

We plan to allocate 2 resources on this assignment.

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| --- |
| Resources Involved |
| 1. Senior Technical Evangelist [Business Analyst for Web and Mobile] (20%) |
| 1. Senior Tech Lead (100%) |

We will have 120% allocation which means that one resource will work at 100% capacity and the other at 20% capacity.

We plan to work over 10 man days (3 calendar weeks). Continuous interactions and repeated discussions with the client/stakeholders will be crucial here to achieve substantial progress during such time.

This will be 10 man days over 3 calendar weeks.

|  |  |  |
| --- | --- | --- |
| **Man days** | **Calendar Weeks** |  |
| 10 | 3 |  |
|  |  |  |

Practices

* 1. The process of doing this evangelism will require collaborative engagements and meetings with the Client.
  2. We expect atleast 2 calls per week and replies to emails within 1-2 business days on any open questions. The timings for these calls to be fixed upon mutual consensus.
  3. After this phase (assignment) is over, we will estimate time for complete development and execution of Phase 1 of the platform.
  4. Towards the end of this exercise we will start documenting the findings and share the findings and conclusions as well.
  5. There will be a dedicated single point of contact (SPOC) at the Client’s team. All Atlogys communications will be routed through SPOC.
  6. Similarly there will be a dedicated SPOC at Atlogys.

# Assumptions

* 1. This is just a R&D proposal and does not involve any UI/UX design, wireframes or development.
  2. This costing is based on a certain number of Man Days. Atlogys has arrived at these Man Days assuming the features discussed briefly till date which are meant to be part of POC (As per all documents listed in References table above).
  3. Any addition of a major feature to be covered in this evangelism phase will affect the Man Days required to complete the task thereby also affecting the total pricing.
  4. For each type of system that needs to be researched (Computer Vision AND database for background check), we will find/evaluate/and talk to a maximum of 3 best service providers. If we are Not able to find most suitable provider even after discussing with 3 providers, then we may need to extend the time and duration of this engagement having an impact on total cost also.
  5. The total timeline for completion in terms of calendar weeks is also going to depend on the rate of response and feedback from the 3rd party system/s. If there is a delay in response/meetings discussions from their side, then the total completion timeline will accordingly get impacted.
  6. The Client must provide the necessary licenses for any commercial software as may deemed appropriate for purposes of this project (if required), and for any 3rd party services used on the site.

# Terms & Conditions

* 1. No travel costs are included in this Agreement unless otherwise agreed upon by both parties.
  2. Atlogys will submit invoices in INR and GST shall be charged separately.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement by their duly authorized representatives as of the date first written above.

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| **CLIENT:** | **COMPANY: Automated Logical Software Private Limited (Atlogys)** |
| By: | By: |
| Name | Name: Ritika Sanghi Garga |
| Title: | Title: Director |
| Date: | Date: 29/03/2022 |