



Data Advisor Consultant SOW

Location: Remote

Time Period: 30 Estimate of hours over six weeks

BACKGROUND

Seva is a global nonprofit eye care organization that transforms lives and strengthens communities by restoring sight and preventing blindness. We train local eye care providers and develop self-sustaining eye programs around the world. Together we provide critical eye care to underserved communities, especially women, children, and indigenous peoples. Seva has helped 5 million blind people regain their sight in more than 20 countries.

CONSULTANCY DESCRIPTION

Seva works with more than 100 eye hospitals around the world as part of the Global Sight Initiative (GSI). This network partners with hospitals to improve their eye care delivery and provision of quality of care. Hospitals in the GSI network see 3 million people annually. The hospitals in the GSI network submit quantitative data to Seva on a quarterly basis via an excel reporting template. The data reflects a hospital's performance and includes metrics such as: patients seen, surgeries advised and performed, surgical outcomes, glasses advised and performed, and income and expenses.

Seva seeks a person with a strong understanding of data science, data engineering and data warehousing to improve the efficiency of our data collection tools and data pipeline.

There are three main components to the project:

- Understand Seva's data use cases and current data pipeline
- Summarize data collection tools/platforms applicable to Seva's data use cases
- Propose approaches Seva could take to improve our data pipeline

This consultancy will be paid a flat fee after completing all three deliverables as outlined below. The successful candidate should be comfortable working independently and be able to represent the organization.

SCOPE OF WORK

Objective 1: Understand Seva's data use cases and current data pipeline.

Through conversations with Seva's Data Team, understand Seva's data use cases, current data pipeline, and user journeys. Identify major hurdles in Seva's current data pipeline

Deliverable: Prepare a slide deck that includes: an outline of the consultant's understanding of Seva's data use cases and a visualization of Seva's current data

pipeline with identified bottlenecks.

Objective 2: Outline data collection tools/platforms applicable to Seva's use cases.

Based on the consultant's expertise and research, compile and present information on data collection tools applicable to Seva's use cases and needs.

Deliverable: Summary of pros/cons of data collection tools/platforms relevant to Seva's data needs.

Objective 3: Based on learnings and research from Objectives 1 and 2, advise Seva's Data Team on approaches to pursue to improve our data collection tools and data pipeline.

Deliverable: Outline 3-5 scenarios/approaches Seva can take to improve our data collection and data pipeline. Should include: human resources/skills, timeline, financial investment required to execute each approach.

QUALIFICATIONS

- Expertise in data science, especially in data engineering and data warehousing as well as web-based software platforms
- Familiarity with SQL, Python, and/or R, Excel, Power BI; DHIS2 or similar platform preferred
- Understanding of data pipelines
- Comfortable working independently
- Able to be available for web conferencing or phone calls within PST time zone.
- Degree in data science, mathematics, or related subject area

PAYMENT

Compensation dependent on experience and final proposal.

APPLICATION PROCESS

Please submit your cover letter, proposal for how to complete the outlined deliverables and expected remuneration, and resume to jobs@seva.org