

Request for Proposal (RFP)

Executive Summary

MedTech Industries is seeking proposals from experienced development teams for the implementation of a cloud-based Machine Learning Integration Platform. This project aims to enhance our existing healthcare solutions by integrating advanced machine learning capabilities through a robust API integration platform. The successful candidate will provide a skilled team to facilitate the migration and development processes while ensuring compliance with industry standards.

Project Overview

- **Project Type:** Cloud Migration Project
- **Duration:** 19 months
- **Team Size:** 12 people
- **Budget Range:** \$100K - \$250K
- **Start Date:** October 4, 2025
- **Location:** East Alicia (Remote work allowed)

Business Context

In an era where data-driven decision-making is crucial, MedTech Industries recognizes the need to harness the power of machine learning and cloud technologies. This project will not only improve operational efficiency but also enhance patient care through data analysis and predictive modeling.

Objectives

- Migrate existing systems to a cloud-based architecture.
- Develop an API integration platform that supports machine learning functionalities.
- Ensure scalability, security, and compliance with healthcare regulations.

Technical Requirements

The following technical competencies are required for the development team:

- **Node.js:** Advanced level (REQUIRED)
- **Python:** Intermediate level (REQUIRED)
- *Preferred Certifications:* AWS Certified Solutions Architect, Certified Kubernetes Administrator
- **MongoDB:** Intermediate level (PREFERRED)
- *Preferred Certifications:* AWS Certified Solutions Architect
- **AWS:** Intermediate level (PREFERRED)
- *Preferred Certifications:* AWS Certified Solutions Architect, Google Cloud Professional
- **PostgreSQL:** Advanced level (PREFERRED)

Expected Team Profile

We expect the development team to comprise individuals with the following profiles:

1. Lead Developer (Node.js & Python)

2. Expertise in Node.js and Python development.
3. Experience in cloud migration projects.

4. Strong leadership and communication skills.

5. Cloud Architect

6. In-depth knowledge of AWS and cloud solutions.
7. Experience with machine learning applications in healthcare.
8. Relevant certifications preferred.

9. Database Administrator

10. Advanced knowledge of PostgreSQL and MongoDB.
11. Experience in database migration and management.
12. Strong analytical skills.

13. Machine Learning Engineer

- 14. Proficiency in Python and machine learning frameworks.
- 15. Experience in developing machine learning models.
- 16. Familiarity with healthcare data standards.

17. **DevOps Engineer**

- 18. Experience with CI/CD pipelines and containerization (Kubernetes).
- 19. Knowledge of AWS services and cloud infrastructure management.

20. **API Developer**

- 21. Strong skills in API design and development.
- 22. Familiarity with RESTful services and integration protocols.

Timeline

- **Proposal Submission Deadline:** [Insert Date]
- **Proposal Review Period:** [Insert Date Range]
- **Interviews/Presentations:** [Insert Date Range]
- **Final Selection:** [Insert Date]
- **Project Kickoff:** October 4, 2025

Budget

The budget for this project ranges from \$100K to \$250K, depending on the scope of work and qualifications of the proposed team. Bidders are encouraged to provide detailed financial proposals.

Proposal Guidelines

Interested parties should submit their proposals by [Insert Date] to the following contact:

Contact Information: - **Name:** [Insert Contact Name] - **Email:** [Insert Contact Email]
- **Phone:** [Insert Contact Phone Number]

Submission Requirements

Proposals should include: - Company profile and relevant experience. - Team bios and qualifications. - Detailed project plan including deliverables and milestones. - Budget breakdown and payment terms. - References from previous clients.

Deliverables and Milestones

1. **Initial Project Plan** - [Insert Date]
2. **API Prototype** - [Insert Date]
3. **Database Migration Report** - [Insert Date]
4. **Final Implementation** - [Insert Date]
5. **Project Review and Feedback** - [Insert Date]

Acceptance Criteria

Proposals will be evaluated based on the following criteria: - Relevant experience and qualifications of the team. - Technical capabilities and approach to the project. - Clarity and feasibility of the project plan. - Budget alignment with proposed deliverables.

Evaluation Process

Proposals will be reviewed by an internal committee at MedTech Industries. Shortlisted candidates will be invited for interviews or presentations. Final selection will be based on a combination of factors including expertise, budget, and overall fit with MedTech Industries' goals.

We look forward to receiving your proposals and appreciate your interest in working with MedTech Industries.