

Request for Proposal (RFP) -

Security Enhancement

Development

Executive Summary

MedTech Industries is seeking proposals from experienced development teams to implement machine learning solutions as part of an e-commerce modernization project. The objective is to enhance security measures, optimize user experience, and increase operational efficiencies. The project duration is estimated at 24 months, with a budget range of \$1M - \$2M. Proposals are encouraged from teams capable of working remotely, with a preference for candidates located in Andrewmouth.

Project Overview

Project Type

E-commerce Modernization

Description

The primary goal of this project is to integrate advanced machine learning techniques into our existing e-commerce platform to enhance security and improve service delivery. The development team will be responsible for the design, development, and implementation of machine learning models that can identify and mitigate security threats effectively.

Duration

24 months

Team Size

7 members

Start Date

November 28, 2025

Location

Andrewmouth (Remote work is allowed)

Technical Requirements

The following technical skills and proficiencies are required for the project:

- **REQUIRED: Node.js** - Expert level

Preferred certifications: Certified Kubernetes Administrator, Google Cloud Professional

- **REQUIRED: TypeScript** - Intermediate level

- **REQUIRED: Docker** - Advanced level

Preferred certifications: Google Cloud Professional, Certified Kubernetes Administrator

- **REQUIRED: AWS** - Advanced level

Preferred certifications: AWS Certified Solutions Architect

- **PREFERRED: JavaScript** - Expert level

- **PREFERRED: Python** - Intermediate level

Preferred certifications: AWS Certified Solutions Architect, Google Cloud Professional

- **REQUIRED: Microservices** - Intermediate level

Preferred certifications: Certified Kubernetes Administrator, AWS Certified Solutions Architect

- **REQUIRED: Django** - Intermediate level

Preferred certifications: Google Cloud Professional, AWS Certified Solutions Architect

- **REQUIRED: Angular** - Expert level

Preferred certifications: Google Cloud Professional, AWS Certified Solutions Architect

Expected Team Profile

The ideal team will consist of professionals with the following roles:

1. **Lead Developer (Node.js & Angular Expert)**

2. Responsible for overall architecture and design of the application.

3. Must have a strong background in both Node.js and Angular.

4. **Machine Learning Engineer**

5. Focus on developing and implementing machine learning algorithms.

6. Proficiency in Python preferred.

7. **Backend Developer (Django & Microservices)**

8. Develop and maintain server-side logic and APIs.

9. Experience with microservices architecture is essential.

10. **Frontend Developer (Angular & TypeScript)**

11. Build user-facing components and ensuring responsiveness.

12. Strong skills in Angular and TypeScript required.

13. **DevOps Engineer (Docker & AWS)**

14. Manage deployment pipelines and ensure system reliability.

15. Expertise in Docker and AWS services necessary.

16. **Security Analyst**

17. Assess and address security vulnerabilities in the application.

18. Experience with security protocols and best practices.

19. Project Manager

20. Oversee project timelines, team coordination, and stakeholder communication.

21. Must have experience in agile project management.

Timeline

- **RFP Release Date:** [Insert Date]
- **Proposal Submission Deadline:** [Insert Date]
- **Proposal Evaluation Period:** [Insert Date]
- **Team Selection Announcement:** [Insert Date]
- **Project Kick-off:** November 28, 2025
- **Mid-Project Review:** [Insert Date]
- **Final Project Delivery:** [Insert Date]

Budget

The budget for this project is estimated between \$1M and \$2M. Proposals should include a detailed breakdown of costs associated with personnel, tools, infrastructure, and any other relevant expenses.

Proposal Guidelines

Interested vendors must submit their proposals by [Insert Submission Deadline]. The proposal should include the following:

1. Company Profile

2. Overview of the company, including relevant experience and capabilities.

3. Project Approach

4. Detailed methodology for completing the project and achieving the desired outcomes.

5. Team Composition

6. Profiles of team members, including their roles, qualifications, and relevant project experience.

7. Cost Estimate

8. Comprehensive breakdown of the proposed budget.

9. Timeline

10. Proposed timeline for project milestones and deliverables.

11. References

12. At least three references from previous clients with similar projects.

Acceptance Criteria and Evaluation Process

Proposals will be evaluated based on the following criteria:

- Technical expertise and relevant experience of the team
- Quality and feasibility of the proposed approach
- Cost-effectiveness and budget alignment
- Ability to meet the project timeline
- Feedback from references

A shortlist of candidates will be invited for interviews and further discussions before final selection.

Contact Information

For any questions or clarifications regarding this RFP, please contact:

Name: [Your Name]

Title: [Your Title]

Email: [Your Email]

Phone: [Your Phone Number]

We look forward to receiving your proposals and partnering with you on this important project.