Request for Proposal (RFP)

Executive Summary

Manufacturing Plus is seeking proposals from experienced development teams to modernize its e-commerce platform through machine learning implementation. This project aims to improve customer experience, enhance operational efficiency, and leverage data analytics to drive sales growth. The project duration is expected to be 16 months, starting on January 9, 2026. We invite qualified teams to submit proposals that demonstrate their expertise and ability to fulfill the outlined requirements.

Project Overview

Objectives

- **Modernize the E-commerce Platform**: Enhance user experience and website functionality.
- **Implement Machine Learning Algorithms**: Use data analytics to personalize user experiences and optimize inventory management.
- **Increase Sales and Customer Engagement**: Drive customer retention and conversion rates through improved user interfaces.

Location

- **Primary Location**: West Jessicabury
- **Remote Work**: Allowed

Technical Requirements

Required Technologies

- **Django**: Intermediate level of expertise required for backend development.
- **React**: Advanced level of expertise required for frontend development.

Expected Team Profile

We are looking for a dedicated team of **4 professionals** with the following profiles:

1. **Backend Developer (Django)**
2. Experience in building scalable applications using Django.
3. Strong understanding of RESTful APIs.

4. Knowledge of database management (PostgreSQL or similar).

5. **Frontend Developer (React)**

6. Proven experience in developing user interfaces with React.
7. Familiarity with state management tools (Redux or similar).

8. Ability to implement responsive design principles.

9. **Data Scientist**

10. Expertise in machine learning algorithms and data analysis.
11. Experience with Python libraries (e.g., Pandas, Scikit-learn).

12. Ability to interpret complex data and derive actionable insights.

13. **Project Manager**

14. Strong background in managing software development projects.
15. Excellent communication and leadership skills.
16. Experience with Agile methodologies.

Timeline

Milestone	Description	Due Date
Project Kickoff	Initial meeting to align goals and objectives	January 9, 2026
Completion of Requirements Gathering	Finalize project requirements and specifications	February 28, 2026
Development Phase 1	Backend and frontend initial development	May 31, 2026
Mid-Project Review	Evaluate progress and adjust project plan	August 15, 2026
Development Phase 2	Finalize development and start testing	November 30, 2026
Project Launch	Go live with the new e-commerce platform	May 9, 2027

Budget

The budget for this project is estimated between **$1M - $2M**. Proposals should include a detailed breakdown of costs associated with personnel, development tools, and any additional resources.

Proposal Guidelines

Submission Requirements

- Proposals must include:
- Team profiles and relevant experience.
- Detailed project plan with timelines and milestones.
- Budget breakdown.
- References from previous projects.

Evaluation Criteria

Proposals will be evaluated based on: - Technical expertise and experience in similar projects. - Clarity and comprehensiveness of the proposed project plan. - Cost-effectiveness and budget alignment. - Ability to meet project timelines.

Contact Information

For any queries or to submit proposals, please contact:

Name: [Client Contact Name]
Email: [client.email@example.com]
Phone: [(123) 456-7890]

Proposal Submission Deadline

All proposals must be submitted by **November 30, 2025**. Late submissions will not be considered.

We look forward to receiving your proposals and working together to modernize our e-commerce platform.