# Request for Proposal (RFP)

## Executive Summary

Manufacturing Plus is seeking proposals from qualified development teams to support the modernization of our e-commerce platform. The goal of this project is to enhance our online capabilities through the development of an API integration platform that seamlessly connects various services and improves overall user experience. The ideal team will possess strong technical skills, industry experience, and a collaborative mindset to work remotely while achieving project goals.

## Project Overview

- **Project Name:** E-commerce Modernization Development
- **Client:** Manufacturing Plus
- **Project Type:** E-commerce Modernization
- **Duration:** 22 Months
- **Team Size:** 4 Developers
- **Budget Range:** $500K - $1M
- **Start Date:** November 28, 2025
- **Location:** Bairdmouth (Remote work allowed)

## Technical Requirements

The development team must meet the following technical requirements:

- **Node.js:** Advanced level
- **Java:** Expert level (Preferred certifications: AWS Certified Solutions Architect)
- **React:** Intermediate level
- **PostgreSQL:** Advanced level

- **MongoDB:** Intermediate level
- **Docker:** Intermediate level (Preferred certifications: AWS Certified Solutions Architect, Certified Kubernetes Administrator)
- **Microservices:** Intermediate level
- **Kubernetes:** Advanced level (Preferred certifications: AWS Certified Solutions Architect, Google Cloud Professional)
- **JavaScript:** Advanced level

## Expected Team Profile

The project requires a team of four skilled developers with the following profiles:

1. **Lead Developer (1)**
2. Expertise in Java and Node.js
3. Experience with AWS architecture and microservices

4. Strong leadership and project management skills

5. **Frontend Developer (1)**

6. Proficient in React and JavaScript
7. Knowledge of UI/UX best practices

8. Ability to collaborate with backend developers to integrate APIs

9. **Database Administrator (1)**

10. Advanced experience with PostgreSQL
11. Proficiency in MongoDB

12. Familiarity with data migration and optimization strategies

13. **DevOps Engineer (1)**

14. Intermediate experience with Docker and Kubernetes
15. Strong understanding of CI/CD practices
16. Knowledge of cloud services, particularly AWS

# Timeline

- **RFP Release Date:** [Insert Date]
- **Proposal Submission Deadline:** [Insert Date]
- **Proposal Evaluation Period:** [Insert Date]
- **Team Selection and Notification:** [Insert Date]
- **Project Kick-off:** November 28, 2025
- **Project Completion:** [Insert Date 22 Months After Kick-off]

# Budget

The budget for this project is estimated to be between **$500,000 and $1,000,000**. Proposals should include a detailed breakdown of costs, including development, testing, deployment, and any ongoing maintenance or support.

# Proposal Guidelines

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

1. **Company Overview:** Brief history and relevant experience.
2. **Team Composition:** Detailed profiles of team members, including resumes and relevant project experience.
3. **Technical Approach:** Outline of the proposed technical solution, including methodologies and tools to be used.
4. **Project Plan:** Timeline with key milestones and deliverables.
5. **Budget Estimate:** Detailed cost breakdown.
6. **References:** Contact information for at least three past clients.

# Deliverables and Milestones

- **Milestone 1:** Project kick-off meeting and requirements gathering.
- **Milestone 2:** Completion of initial API design and architecture documentation.
- **Milestone 3:** Development of core API functionalities.

- **Milestone 4:** Integration of frontend and backend systems.
- **Milestone 5:** User acceptance testing (UAT) and feedback implementation.
- **Milestone 6:** Final deployment and project handover.

## Acceptance Criteria

Proposals will be evaluated based on the following criteria: - Technical expertise and relevant project experience. - Team composition and qualifications. - Proposed approach and timeline. - Cost-effectiveness and clarity of budget. - Quality of references and past work.

## Contact Information

For any inquiries regarding this RFP, please contact: - **Name:** [Insert Contact Name] - **Email:** [Insert Contact Email] - **Phone:** [Insert Contact Phone Number]

## Proposal Submission Guidelines

All proposals must be submitted electronically to [Insert Submission Email Address] by [Insert Submission Deadline]. Late submissions will not be considered. Thank you for your interest in partnering with Manufacturing Plus for this exciting project. We look forward to your proposals!