Request for Proposal (RFP)

Executive Summary

Manufacturing Plus is seeking proposals from experienced development teams for the creation of an innovative API Integration Platform that facilitates seamless DevOps automation. This project is critical to our operational efficiency and aims to enhance our manufacturing capabilities by integrating various systems and automating processes. We are inviting proposals from qualified firms with a proven track record in developing enterprise web applications.

Project Overview

- **Project Name**: API Integration Platform Development
- **Client**: Manufacturing Plus
- **Project Type**: Enterprise Web Application
- **Duration**: 15 months
- **Team Size**: 12 people
- **Start Date**: November 27, 2025
- **Location**: Lewismouth (Remote work allowed)
- **Budget Range**: $500K - $1M

Business Context and Objectives

In response to the increasing complexity of our manufacturing processes, Manufacturing Plus aims to develop an API Integration Platform. This platform will: - Improve system interoperability - Enhance DevOps practices through automation - Streamline workflow across departments - Reduce operational costs and time

Technical Requirements

The development team should possess expertise in the following technologies:

- **REQUIRED**:
- **Python** - Expert level

- **React** - Expert level

- **PREFERRED**:

- **Docker** - Intermediate level
- **Machine Learning** - Expert level (Preferred certifications: AWS Certified Solutions Architect)
- **Microservices** - Expert level (Preferred certifications: Certified Kubernetes Administrator, AWS Certified Solutions Architect)

Expected Team Profile

The ideal team will consist of 12 qualified professionals, including but not limited to: 1. **Project Manager** - 1 - Experience in managing enterprise-level projects. - Strong communication and leadership skills.

1. **Backend Developers** - 4
2. Expertise in Python and microservices architecture.

3. Familiarity with Docker and AWS environments.

4. **Frontend Developers** - 3

5. Proficient in React and frontend best practices.

6. Experience in integrating APIs with frontend applications.

7. **Data Scientists/ML Engineers** - 2

8. Strong background in machine learning and AWS.

9. Ability to implement machine learning models within the platform.

10. **DevOps Engineer** - 1

11. Proficient in CI/CD practices and tools.
12. Experience with Docker and Kubernetes.

Timeline

- **RFP Release Date**: [Insert Date]
- **Proposal Submission Deadline**: [Insert Date]
- **Selection of Development Team**: [Insert Date]
- **Project Kickoff**: November 27, 2025
- **Milestone Reviews**:
- Month 3: Initial API prototypes
- Month 6: Completion of backend architecture
- Month 9: Frontend integration
- Month 12: Testing and QA
- Month 15: Final delivery and deployment

Budget

The budget for this project is set between $500K and $1M. Proposals should include a detailed breakdown of costs, including any potential additional expenses.

Proposal Guidelines

Interested parties should submit their proposals by [Insert Deadline]. Proposals must include: - Company profile and relevant experience - Team composition and individual profiles - Proposed approach and methodologies - Detailed project timeline - Budget estimate

Acceptance Criteria

Proposals will be evaluated based on: - Relevant experience and previous project success - Technical expertise of the team - Proposed methodologies and project management strategies - Cost-effectiveness of the proposal

Evaluation Process

Proposals will be reviewed by a committee at Manufacturing Plus. Shortlisted candidates may be invited for an interview to further discuss their proposals.

Contact Information

For any inquiries related to this RFP, please contact:

Name: [Contact Person]
Email: [Contact Email]
Phone: [Contact Phone Number]

We look forward to your proposals and to forging a partnership that enhances our manufacturing capabilities through innovative technology solutions.