Request for Proposal (RFP)

Executive Summary

Manufacturing Plus is seeking proposals from qualified development teams to design and implement a comprehensive Data Analytics Platform. This platform aims to enhance our operational efficiency and decision-making through advanced data analytics capabilities. The selected team will be responsible for migrating our existing data infrastructure to a cloud-based solution and developing an enterprise-level web application within a 16-month timeframe.

Project Overview

Project Type

Cloud Migration Project

Description

The objective of this project is to develop a robust Data Analytics Platform that will facilitate data-driven decision-making for Manufacturing Plus. The platform will leverage cloud technologies and modern programming practices, ensuring scalability, security, and performance.

Duration

16 months

Team Size

9 people

Budget Range

$1M - $2M

Start Date

November 27, 2025

Location

Lake Lawrence (Remote work allowed)

Technical Requirements

- **REQUIRED**: JavaScript - Intermediate level
- **PREFERRED**: Kubernetes - Expert level (Preferred certifications: Certified Kubernetes Administrator)
- **REQUIRED**: Microservices - Advanced level (Preferred certifications: Certified Kubernetes Administrator)
- **REQUIRED**: Python - Advanced level
- **REQUIRED**: Machine Learning - Expert level
- **REQUIRED**: MongoDB - Advanced level
- **REQUIRED**: Angular - Intermediate level (Preferred certifications: Google Cloud Professional)
- **REQUIRED**: Java - Intermediate level (Preferred certifications: AWS Certified Solutions Architect, Google Cloud Professional)

Expected Team Profile

The ideal development team should consist of the following roles:

1. **Project Manager**: Responsible for overseeing the project, managing timelines, and ensuring communication between stakeholders.
2. **Business Analyst**: To gather requirements, analyze business processes, and facilitate communication between technical and non-technical teams.
3. **Frontend Developers (2)**: Skilled in JavaScript and Angular with experience in developing user-friendly web applications.

4. **Backend Developers (3)**: Proficient in Python, Java, and microservices architecture, with a focus on building scalable APIs and services.
5. **Data Scientist**: Expertise in machine learning algorithms and data processing to extract insights from data.
6. **Database Administrator**: Skilled in MongoDB, responsible for database design, optimization, and management.
7. **DevOps Engineer**: Proficient in Kubernetes, responsible for deployment, automation, and monitoring of the cloud infrastructure.

Timeline

- **RFP Release Date**: [Insert Date]
- **Proposal Submission Deadline**: [Insert Date]
- **Vendor Selection**: [Insert Date]
- **Project Kickoff**: November 27, 2025
- **Milestones**:
- **Phase 1**: Requirements Gathering and Initial Design - Month 1-3
- **Phase 2**: Development of Core Features - Month 4-10
- **Phase 3**: Testing and Quality Assurance - Month 11-14
- **Phase 4**: Deployment and User Training - Month 15-16

Budget

The budget for the project is estimated between $1M and $2M. Proposals should include a detailed breakdown of costs, including personnel, resources, and any additional expenses.

Proposal Guidelines

Submission Requirements

- Detailed company profile and relevant experience
- Team structure and biographies of key personnel
- Project approach and methodology
- Timeline for project completion

- Detailed budget proposal
- Case studies or references from similar projects

Acceptance Criteria

Proposals will be evaluated based on the following criteria: - Relevant experience and past performance - Technical expertise and team qualifications - Proposed project approach and methodology - Budget alignment with project scope - Timeliness of delivery

Evaluation Process

Proposals will be reviewed by a panel of stakeholders from Manufacturing Plus. Shortlisted candidates may be invited for an interview or presentation.

Contact Information

For any inquiries regarding this RFP, please contact:

Name: [Insert Contact Name]
Title: [Insert Title]
Email: [Insert Email Address]
Phone: [Insert Phone Number]

Proposal Submission Guidelines

All proposals must be submitted electronically to the contact person listed above by [Insert Submission Deadline]. Late submissions will not be considered. We look forward to your proposals and the opportunity to partner with you on this exciting project.