

Request for Proposal (RFP)

Executive Summary

Manufacturing Plus is seeking proposals from qualified development teams for the implementation of a machine learning automation solution. This project aims to streamline our DevOps processes and enhance productivity through an enterprise-level web application. We are looking for a skilled team that can work collaboratively in a dynamic environment while adhering to best practices in software development and deployment.

Project Overview

- **Project:** Machine Learning Implementation Development
- **Client:** Manufacturing Plus
- **Project Type:** Enterprise Web Application
- **Duration:** 12 months
- **Team Size:** 8 people
- **Budget Range:** \$250K - \$500K
- **Start Date:** 2026-01-22
- **Location:** London, United Kingdom
- **Remote Work:** Allowed

Technical Requirements

The selected team will need to demonstrate expertise in the following technologies and frameworks:

- **Docker:** Expert level
- **React:** Advanced level
- **Django:** Expert level (Preferred certifications: Certified Kubernetes Administrator)

- **AWS**: Intermediate level (Preferred certifications: Google Cloud Professional, Certified Kubernetes Administrator)
- **Java**: Intermediate level
- **PostgreSQL**: Advanced level (Preferred certifications: Google Cloud Professional, Certified Kubernetes Administrator)
- **Python**: Advanced level (Preferred certifications: Google Cloud Professional, Certified Kubernetes Administrator)
- **DevOps**: Intermediate level (Preferred certifications: Google Cloud Professional)

Expected Team Profile

We expect the following roles to be filled within the team:

1. **Lead Developer** (Expert in Django, Python)
2. Responsible for overall architecture and design of the application.
3. **Frontend Developer** (Expert in React)
4. Focus on developing user-facing features and ensuring a responsive and intuitive user interface.
5. **DevOps Engineer** (Expert in Docker and AWS)
6. Oversee deployment cycles and automation processes.
7. **Data Scientist** (Expert in Machine Learning)
8. Implement machine learning algorithms and ensure data integrity.
9. **Backend Developer** (Expert in Python, Django)
10. Develop APIs and server-side logic.
11. **Database Administrator** (Expert in PostgreSQL)
12. Manage database performance, security, and integrity.
13. **QA Engineer** (Expert in Testing Frameworks)
14. Ensure the application meets quality standards through rigorous testing.

15. **Project Manager** (Experienced in Agile methodologies)

16. Coordinate team activities and communication with the client.

Timeline

- **RFP Release Date:** [Insert Date]
- **Proposal Submission Deadline:** [Insert Date]
- **Evaluation Period:** [Insert Date]
- **Team Selection:** [Insert Date]
- **Project Kickoff:** 2026-01-22
- **Expected Completion:** 2027-01-22

Budget

The total budget for this project is expected to be within the range of **\$250,000 to \$500,000**. Proposals should include a detailed breakdown of costs.

Proposal Guidelines

Interested parties should submit their proposals in PDF format by the specified deadline. Proposals should include:

- Company profile and relevant experience.
- Detailed project approach and methodology.
- Team composition and individual profiles.
- Timeline and milestones for deliverables.
- Cost breakdown and payment terms.

Deliverables and Milestones

1. **Initial Project Plan:** 2 weeks post-kickoff
2. **Prototype Development:** 3 months
3. **Alpha Release:** 6 months
4. **Beta Testing:** 9 months
5. **Final Release:** 12 months

6. Post-Implementation Review: 1 month after final release

Acceptance Criteria

Proposals will be evaluated based on:

- Technical qualifications and experience.
- Clarity and feasibility of the proposed approach.
- Cost-effectiveness.
- Timeline adherence.
- Team qualifications.

Evaluation Process

Proposals will be reviewed by the Manufacturing Plus project team, with shortlisted candidates invited for interviews. Finalist teams may be requested to provide additional documentation or a presentation.

Contact Information

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

- **Name:** [Your Name]
- **Position:** [Your Position]
- **Email:** [Your Email]
- **Phone:** [Your Phone Number]

We look forward to receiving your proposals and potentially partnering with your team to achieve our project goals. Thank you for your interest in working with Manufacturing Plus.