

Request for Proposal (RFP)

Executive Summary

Energy Systems Co is seeking proposals from qualified development teams for the modernization of our e-commerce platform through the implementation of machine learning technologies. This initiative aims to enhance operational efficiencies, improve customer experiences, and leverage data-driven decision-making. The project will span a duration of 12 months, commencing on November 29, 2025, with a budget range of \$100,000 - \$250,000.

Project Overview

The primary objective of this project is to integrate machine learning capabilities into Energy Systems Co's existing e-commerce infrastructure. The development team will be responsible for designing, implementing, and deploying machine learning models that drive personalization and predictive analytics.

Key Goals:

- Enhance the e-commerce platform's functionality with machine learning features.
- Improve customer engagement and retention through personalized experiences.
- Streamline back-end processes with AI-driven insights.

Technical Requirements

The following technical skills are required for the proposed team members:

- **Microservices:** Expert level
Preferred Certifications: Certified Kubernetes Administrator, AWS Certified Solutions Architect

- **Docker:** Expert level
Preferred Certifications: AWS Certified Solutions Architect, Certified Kubernetes Administrator
- **PostgreSQL:** Expert level
Preferred Certifications: Certified Kubernetes Administrator, Google Cloud Professional
- **Angular:** Intermediate level
Preferred Certifications: Certified Kubernetes Administrator
- **DevOps:** Intermediate level
Preferred Certifications: Google Cloud Professional, AWS Certified Solutions Architect
- **Kubernetes:** Intermediate level
Preferred Certifications: Google Cloud Professional, AWS Certified Solutions Architect
- **Python:** Preferred Intermediate level
Preferred Certifications: AWS Certified Solutions Architect

Expected Team Profile

The development team will consist of four members with the following roles:

1. **Machine Learning Engineer:**

2. Expertise in machine learning algorithms and frameworks.
3. Proven experience in deploying models into production environments.

4. **Back-End Developer:**

5. Strong background in microservices architecture and database management.
6. Proficient in Docker and Kubernetes for container orchestration.

7. **Front-End Developer:**

8. Solid experience with Angular for building responsive user interfaces.
9. Familiarity with RESTful APIs and integration with back-end services.

10. **DevOps Engineer:**

11. Skilled in CI/CD processes and cloud infrastructure management.

12. Experience with AWS or Google Cloud platforms.

Timeline

- **RFP Issuance:** [Insert Date]
- **Proposal Submission Deadline:** [Insert Date]
- **Proposal Evaluation:** [Insert Date]
- **Team Selection:** [Insert Date]
- **Project Kickoff:** November 29, 2025
- **Project Duration:** 12 months

Budget

The total budget for this project is expected to be in the range of **\$100,000 - \$250,000**. Proposals should include a detailed breakdown of costs associated with labor, tools, and any other project-related expenses.

Proposal Guidelines

Proposals should be submitted electronically in PDF format and must include the following:

- Company Overview
- Relevant Experience and Case Studies
- Detailed Project Plan and Timeline
- Team Profiles and Resumes
- Pricing Structure
- References from previous clients

Submission Deadline: [Insert Date]

Acceptance Criteria and Evaluation Process

Proposals will be evaluated based on the following criteria:

- **Technical Expertise:** Demonstrated experience and competencies in required technologies.
- **Project Approach:** Clarity and feasibility of the proposed project plan.
- **Team Qualifications:** Quality and relevance of team members' profiles.
- **Cost Effectiveness:** Alignment of pricing with budget expectations.
- **References:** Positive feedback from past clients.

Contact Information

For any inquiries regarding this RFP, please contact:

Name: [Contact Person's Name]

Email: [Contact Email]

Phone: [Contact Phone Number]

We look forward to receiving your proposals and collaborating on this transformative project for Energy Systems Co.