Request for Proposal (RFP)

Project Title: E-commerce Modernization Development

Client: Energy Systems Co

Executive Summary

Energy Systems Co is seeking proposals from experienced development teams for a comprehensive cloud migration project aimed at modernizing our e-commerce platform. The project will enhance our operational efficiencies, improve user experience, and leverage cloud technologies to ensure scalability and reliability. We invite qualified teams to submit their proposals for a project duration of 21 months, commencing on January 15, 2026.

Project Overview

Background

Energy Systems Co has established itself as a leader in energy solutions. As part of our strategic initiative to enhance our digital footprint, we are transitioning our e-commerce operations to a cloud-based infrastructure. This modernization effort is vital for optimizing performance and staying competitive in the rapidly evolving energy market.

Objectives

- Migrate existing e-commerce applications to a scalable cloud environment.
- Improve system reliability and performance.

- Implement advanced data management practices using PostgreSQL.
- Introduce machine learning capabilities to enhance user experience and personalization.

Technical Requirements

The following technical competencies are mandatory for the team:

- **PostgreSQL**: Advanced level (Preferred certifications: Certified Kubernetes Administrator, AWS Certified Solutions Architect)
- **Java**: Advanced level (Preferred certifications: Certified Kubernetes Administrator)
- **Kubernetes**: Intermediate level (Preferred certifications: Certified Kubernetes Administrator, AWS Certified Solutions Architect)
- **Machine Learning**: Intermediate level

Expected Team Profile

The project will require a dedicated team of three professionals with the following profiles:

1. **Lead Developer (1)**
2. Proficiency in Java and PostgreSQL.
3. Experience in cloud migration projects and Kubernetes management.

4. Strong problem-solving skills and ability to lead a team.

5. **Database Administrator (1)**

6. Advanced experience with PostgreSQL.
7. Knowledge of cloud-based database management and optimization techniques.

8. Familiarity with machine learning applications in database contexts.

9. **Machine Learning Engineer (1)**

10. Intermediate experience in machine learning algorithms and frameworks.

11. Ability to integrate machine learning models with e-commerce platforms.
12. Familiarity with cloud deployment of machine learning models.

Timeline

- **RFP Release Date**: [Insert Date]
- **Proposal Submission Deadline**: [Insert Date]
- **Proposal Evaluation Period**: [Insert Date]
- **Team Selection**: [Insert Date]
- **Project Kick-off**: January 15, 2026
- **Project Duration**: 21 months

Budget

The estimated budget for this project is between **$1,000,000 and $2,000,000**. Proposals should include a detailed breakdown of costs associated with personnel, technology, and any other relevant expenditures.

Proposal Guidelines

Interested parties are invited to submit their proposals that include the following:

- Team composition and individual qualifications.
- Detailed project plan with milestones.
- Implementation strategy including cloud migration approach.
- Experience with similar projects and references.
- Cost proposal with itemized budget.

Submission Format

- Proposals must be submitted in PDF format.
- Include a cover letter detailing your understanding of the project.
- Proposals should be sent to the contact email provided below by the submission deadline.

Acceptance Criteria and Evaluation Process

Proposals will be evaluated based on the following criteria:

- **Technical Expertise**: Demonstrated experience in required technologies.
- **Project Approach**: Clarity and feasibility of the proposed project plan.
- **Team Experience**: Relevant experience of team members in similar projects.
- **Cost**: Competitiveness and transparency of the budget proposal.

Contact Information

For any inquiries regarding this RFP, please contact:

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

We look forward to receiving your proposal and partnering with a talented team to achieve our e-commerce modernization objectives. Thank you for your interest in working with Energy Systems Co.