Review of: "Building Foods Data Automation Platform Using Cloud Computing Type PaaS"

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Potential competing interests: No potential competing interests to declare.

The article introduces a Foods Data Automation Platform utilizing Platform as a Service (PaaS) in a cloud computing environment. The platform aims to consolidate information on the availability and prices of basic foods scattered across various websites in the Medan City government. The architecture involves real-time synchronization of data stored as JSON in a cloud-based Data Center, with interconnected Front End and Back End devices.

While the article provides valuable insights, it would greatly benefit from a more in-depth exploration. Specifically, enhancing the discussion with specific technical details, comprehensive security considerations, details on validation measures, exploration of alternative technologies, and a comparative analysis with state-of-the-art solutions would further strengthen the article's contribution to the field.

General Observations:

1. The abstract provides a broad overview of the architecture and technologies used, such as JSON storage, real-time synchronization, and cloud service solutions. However, the article could benefit from a more detailed exploration of the technical aspects. Specific information regarding the implementation, algorithms employed, and challenges encountered during development would contribute significantly to the article's credibility. Providing a more comprehensive technical description would greatly assist readers in understanding the practical nuances of the proposed solution.
2. The abstract does not discuss the user experience or usability aspects of the platform. It would be valuable to explore how the end-users (e.g., government officials, citizens) interact with the platform, ensuring that it is user-friendly, accessible, and meets the needs of its intended audience.
3. The abstract briefly mentions "monitored data security," but there is a lack of detailed discussion on the security measures implemented to safeguard the food data. Given the sensitive nature of food-related information, the article should explicitly address security concerns, data encryption, access controls, and compliance with relevant data protection regulations.
4. The article lacks information on how the proposed platform's effectiveness was evaluated and validated. It is crucial to include details about performance metrics, scalability tests, and real-world use cases to demonstrate the platform's practical utility. Without such information, it is challenging to assess the reliability and efficiency of the proposed solution.
5. The article primarily focuses on the use of PaaS for data automation without exploring alternative approaches or

technologies. A more comprehensive discussion that considers different cloud service models, potential hybrid solutions, or alternative platforms could provide a more balanced view and help readers understand why PaaS was chosen over other options.

6. The article mentions collecting data from various websites and public IP addresses but lacks clarity on the types and reliability of these data sources. It would be beneficial to provide more information on how the quality and validity of the data are ensured, especially when dealing with diverse and dynamic sources on the internet.
7. Given that the platform involves collecting and processing public data, ethical considerations should be addressed. The article should discuss any potential ethical challenges, privacy concerns, and measures taken to ensure responsible data handling and usage.

Major Observations:

An important aspect that appears to be missing in this article is a comparative analysis with state-of-the-art technologies or existing solutions in the field. It would be beneficial to discuss how the proposed PaaS-based platform stands out in terms of performance, efficiency, and features when compared to other relevant technologies. A comparative study could provide readers with insights into the uniqueness and advantages of the proposed solution, enhancing the overall value of the research.

In addressing these gaps and limitations, the article could significantly strengthen its contribution to the field of cloud-based data platforms.