

Review Form 3

Journal Name:	Asian Journal of Research in Computer Science
Manuscript Number:	Ms_AJRCOS_130601
Title of the Manuscript:	Methods for optimizing the performance of microservice architecture in high-load systems
Type of the Article	

PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	This manuscript provides a comprehensive analysis of methods for optimizing the performance of microservice architectures in high-load systems, offering valuable insights into the scalability, stability, and adaptability of such systems. By systematizing existing optimization techniques and incorporating advanced methods like machine learning for load forecasting, it contributes to the understanding of how dynamic infrastructure can improve system performance in real-world applications. The study's focus on key areas such as resource management, inter-service communication, and fault tolerance provides a solid foundation for future research in distributed computing and cloud technologies.	
Is the title of the article suitable? (If not please suggest an alternative title)	The current title, "Methods for Optimizing the Performance of Microservice Architecture in High-Load Systems," is clear and descriptive, but it could be made more specific to reflect the inclusion of advanced techniques such as machine.	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	The abstract is generally comprehensive but could be improved by: <ul style="list-style-type: none"> • Including specific performance improvement figures or percentages. • Highlighting the most impactful techniques (e.g., reinforcement learning). • Adding more real-world application context. • Strengthening the concluding statement with a focus on the integration of multiple technologies. 	
Is the manuscript scientifically, correct? Please write here.	Need more relevant scientific proof.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Not sufficient, need more reference.	
Is the language/English quality of the article suitable for scholarly communications?	Good	
Optional/General comments	Need Major Revision for Acceptance.	

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PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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