

Review Form 1.7

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_119286
Title of the Manuscript:	Evaluating The Integration of Edge Computing and Serverless Architectures for Enhancing Scalability and Sustainability in Cloud-Based Big Data Management
Type of the Article	

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PART 1: Review Comments

	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>
<p><u>Compulsory REVISION comments</u></p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>"1. How do you rate the significance of the research (in a scale of 1 to 5 with 5 being the most significant)? 3</p> <p>2. How do you rate the originality (in a scale of 1 to 5 with 5 being the highest)? 3</p> <p>3. How do you rate the experimental design and quality of data (in a scale of 1 to 5 with 5 being the highest)? 3</p> <p>4. Is the organization of the article appropriate? Yes, it's fine.</p> <p>5. Did you find any language problem? Yes, it's fine.</p> <p>6. Your decision for this manuscript: accept, minor, major or reject Minor with acceptance. But changes are mandatory required.</p> <p>7. Comments to the Author (In order to allow the author to better revise the article, the word limit is at least 200 words and more than three comments):</p>	

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	<p>The authors present a technical research paper with relevant topic, proper research methodology and potentially good contribution to the field of studies.</p> <p>The authors are encouraged to resubmit the paper with more clarity on presented performance assessment metrics with the selected relevant Case studies and possible application scenario with assessment metrics. The paper should be written in proper format, figures should fit within the text, use of font should be uniform in all paper, as well as references should be updated with most recent results.</p> <p>Suggestion and Recommendation:</p> <p>Major Concerns:</p> <ol style="list-style-type: none">1. In the introduction, the scientific problem of the existing evaluation is missing. There should initially be discussed the actual problem and then the research motivation.2. Please highlight major contributions of this work in this current version, otherwise the current form shows weak/lack of novelty.3. Please refine the language of this paper, such as avoid we, they, our, and other related words in this paper.4. Please improve the portion of problem description and problem formulation of the proposed work. Cannot find novelty in the current form. <ol style="list-style-type: none">1. Authors may elaborate more on the novelty/contribution of their work and how it2. Authors need to be specific about their problem statement and the scope of their research.3. Abstract: elaborate more on the problem statement, findings, and contributions.4. Introduction is not clear. Authors may contribute more towards this.5. Thorough proofreading is recommended.6. A few of the figures are taken from the sources and are not cited properly, either they may be cited properly with permissions or may be removed/ redrawn.7. The conclusion is not clear and needs revision and clarity and alignment with the abstract and title. <p>References:</p> <ol style="list-style-type: none">1. Your references are not listed in good style, as citation style is different from one paper	
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	<p>to other.</p> <p>2. some of your references are not complete please check.</p> <p>3. Some citations (references) created in wrong manner (Please follow journal's criteria).</p> <p>Authors are encouraged to base on recent references about the current development in blockchain technology. Moreover, technology collaborates with other technologies to create new paradigms, such as artificial intelligence, such machine learning, deep learning, with federated learning.</p> <p>Additionally, some important references have been neglected by the authors.</p> <p>(i) Khan, Abdullah Ayub, Asif Ali Laghari, Hela Elmannai, Aftab Ahmed Shaikh, Sami Bourouis, Myriam Hadjouni, and Roobaea Alroobaea. "GAN-IoTVS: A Novel Internet of Multimedia Things-enabled Video Streaming Compression Model Using GAN and Fuzzy Logic." IEEE Sensors Journal(2023).</p> <p>(ii) Khan, Abdullah Ayub, Asif Ali Laghari, Abdullah M. Baqasah, Roobaea Alroobaea, Ahmad Almadhor, Gabriel Avelino Sampedro, and Natalia Kryvinska. "Blockchain-enabled infrastructural security solution for serverless consortium fog and edge computing."</p> <p>(iii) Khan, Abdullah Ayub, Asif Ali Laghari, Thippa Reddy Gadekallu, Zaffar Ahmed Shaikh, Abdul Rehman Javed, Mamoon Rashid, Vania V. Estrela, and Alexey Mikhaylov. "A drone-based data management and optimization using metaheuristic algorithms and blockchain smart contracts in a secure fog environment." Computers and Electrical Engineering 102 (2022): 108234.</p>	
<p><u>Minor REVISION</u> comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>		
<p><u>Optional/General</u> comments</p>		

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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:

Name:	Abdullah Ayub Khan
Department, University & Country	Benazir Bhutto Shaheed University, Pakistan