

Review of: "A Proposed Secure Wearable Device Payment System Based on Blockchain Technology"

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The article "A Proposed Secure Wearable Device Payment System Based on Blockchain Technology" fails to address the potential applications of blockchain technology in securing payments via wearable devices. A substantial portion of the paper is dedicated to a general theoretical concept, rather than a practical implementation.

A critical deficiency of the paper is that it presents a literature review that fails to address recent advances, specifically in the field of privacy and security related to blockchain technology.

With regard to the security of blockchain technology, the authors' concept seems to reproduce a common misconception that blockchain technology inherently provides security to data or systems. Nevertheless, the true value of blockchain lies in ensuring data integrity, rather than in providing point-to-point security. Furthermore, the generalization of blockchain is another issue, as there are few variations among the blockchain types that impact the speed of transactions, scalability, necessity of off-chain data storage, and other factors when working with large amounts of data, which can affect system efficiency.

In order to have an article ready for publication, I recommend that the authors conduct a deep review of existing literature on blockchain security, in particular with regard to selective disclosure credentials and privacy-preserving selective disclosure. This will support the development of more robust content and a more comprehensive threat model. Additionally, it is crucial that the authors provide a more detailed system design and evidence of its validation.