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Decentralization Of Task Management Algorithm Using Blockchain Technology

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Abstract—This paper states the decentralization of a task management algorithm in a distributed environment. At the same time, the main criteria for task management were presented, and various approaches to designing this algorithm were described. The author considered the architecture of a blockchain-based task management system using the Parity Substrate framework of the Polkadot ecosystem. During the design of the system architecture, the advantages and disadvantages of the described approaches were identified. Keywords—blockchain, decentralization, distributed environment, Polkadot ecosystem, Parity Substrate framework, off-chain worker

Summary

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