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**CloudSentry: A Novel Amalgamate Framework for Monitoring
Multi-Tenant Cloud-Based Applications Deployments**

A Dissertation by

Mr. Minura Kariyawasam

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Supervised by

Mr. Dilesha Rajapakse

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ABSTRACT

Conflicts over monitoring data and the rise of independent monitoring solutions for various disciplines have become problems and make it extremely difficult to recognize significant dangers to the system and act quickly to eliminate them. Conflicts and redundant logs make it more challenging to identify and address potential security risks, which can significantly affect the system's stability and security.

A comprehensive, cloud-native solution for monitoring cloud-based systems has been developed as part of the CloudSentry Monitoring Framework, created to address this problem specifically. The framework attempts to decrease redundant logs, monitoring conflicts, and the difficulty of managing vast amounts of monitoring data.

The CloudSentry Monitoring Framework was created to assist enterprises in effectively identifying and quickly responding to potential security issues, enhancing the stability and security of their cloud-based systems. It does this by offering a unified approach to monitoring.

Keywords: Monitoring Solution, Amalgamate Native Monitoring Framework, Cloud-Based Systems, Monitoring as Service