Scalability – the application needs to expand as the company grows

Reliability – the application needs to be reliable to avoid downtime

Security – the application needs to be secure to avoid data breaches

Performance – the application needs to always run at peak performance

Cost efficiency – the application needs to be cost and resource friendly

Application monitoring- developers can implement monitoring the observe the applications behavior

Adaptability – the system needs to be able to adapt to the changing needs of consumers

Design evolution – the developers need to continuously improve the application based off user reviews

Automation – automation will allow processes such as monitoring, scalability, and security to be autonomous

Risk mitigation - the application needs to be built to mitigate risks that may arise after deployment

(Segu, 2023) (Stern, 2023)

Segu, S. (2023) *6 cloud design principles for a successful Cloud environment*, *LinkedIn*. Available at: <https://www.linkedin.com/pulse/6-cloud-design-principles-successful-environment-sandesh-segu/> (Accessed: 11 May 2024).

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