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AWS Academy Cloud Architecting

AWS Academy

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Course Overview

AWS Academy Cloud Architecting Course, explores the exciting world of cloud computing and teaches us on how to design and deploy scalable and reliable applications using AWS cloud services.

This course, aids in deep understanding of cloud architecture principles, AWS best practices, and how to optimize performance and cost. Also, it talks about the benefits of cloud computing and why it is important for businesses to adopt it. The course let you have hand-on experience on AWS covering various cloud computing concepts. This course is valuable for those who whant to get equipped with the skills and knowledge about cloud computing and AWS.

AWS Fundamentals

Amazon Web Services (AWS) is a cloud computing platform that provides a wide range of services to individuals and businesses. AWS offers a variety of services, including compute, storage, databases, analytics, machine learning, and more. These services can be used to build and deploy applications quickly and easily.

AWS architecture provides high availability, scalability, and security. One of the key benefits of AWS is its flexibility. Users can choose from a wide range of services and only pay for what they use. This makes it easy to scale up or down depending on demand.

Examples that use AWS:

Cloud Computing Concepts

Cloud computing is a revolutionary technology that has transformed the way we store, process, and access data. It offers numerous benefits such as scalability, flexibility, security and cost savings.

Cloud computing works on pay-as-you-go model, in which a user have to pay only for the what he/she uses.

It provides users high availability of the computing resources by automatic scaling and load balancing. It helps user in saving the cost and effort required to manage the underlying infrastructure, the cloud service provider maages the infrastructure while the user consumes the computing resources and services. This means that cloud computing works on shared-responsibility model.

Architecting on AWS

Architecting on AWS, there are a few key design principles. First and foremost, you want to build scalable applications that can handle changing workloads without sacrificing performance. This means leveraging services like Amazon EC2 Auto Scaling and Amazon Elastic Load Balancing to automatically adjust capacity based on demand.

Additionally, you also need to prioritize reliability and security. AWS offers a number of tools and services to achieve this, such as Amazon CloudWatch for monitoring and alerting, Amazon S3 for durable object storage, and AWS Identity and Access Management (IAM) for managing user access.

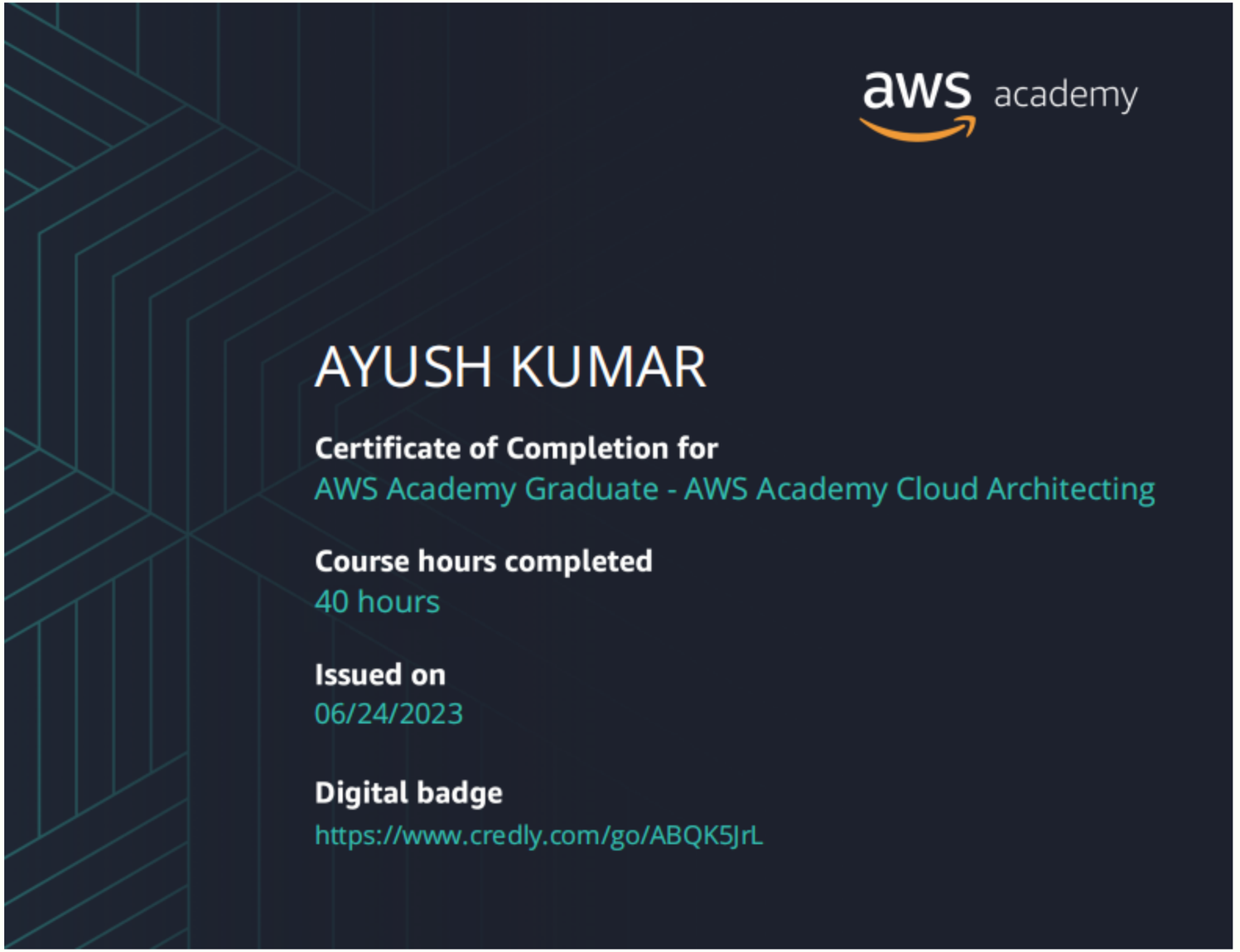
By following these best practices and taking advantage of AWS's powerful infrastructure, you can build robust and resilient applications that are capable of handling even the most demanding workloads.

Conclusion

In conclusion, the AWS Academy Cloud Architecting Course provides a comprehensive understanding of cloud computing and how to design and deploy applications in the cloud using AWS services.

By completing this course, anyone can gain a deep understanding of benefits of cloud computing, the AWS cloud services, cloud architecture principles, as well as best practices for building reliable and secure applications on the cloud. This course enables individuals to apply their newfound knowledge to real-world scenarios

CERTIFICATE



Thank You