Personal Summary

15+ years of experience as an AWS Cloud Architect, leading the design and implementation of large-scale, highly available cloud environments for enterprise customers. Proven track record of architecting and implementing complex, secure, and scalable cloud solutions on AWS, resulting in improved performance and cost-effectiveness for mission-critical systems. Subject matter expert in AWS services, with a deep understanding of how to use them effectively to build cloud-native applications and solve complex technical challenges. Skilled in developing and maintaining cloud governance frameworks to ensure compliance with industry regulations and internal standards.

Contact

📞 **+91 99599 99556**

+1 973 406 4555 (US)

✉ **t.karthik@aol.com**

📍 **Remote**

Key Skills

AWS	DevOps
Azure	DataLake
Snowflake	Data Warehouse
Spark	AI/ML
S3	JIRA
Athena	Confluence
Lambda	Docker
VPC	PowerBI	Tableau
ThoughtSpot	QuickSight	Clik
Redshift	Git	Bitbucket
Kafka	CloudFormation
Python	Hadoop
Scala	Kafka
Talend	Microservices
Cribl	Jenkins
DBT	JFrog
Airbyte	Hashicorp Vault
Kinesis	Kubernetes
EMR	GraphQL	Amplify
DynamoDB	Glue ETL
PySpark	
RDS	
Terraform	

T. KARTHIK
6x AWS Certified Architect - Immediately Available

Career Summary

Freelancer - Upwork | May 2022 - Dec 2022

Cloud Architect - Indium Software | Jun 2021 - May 2022

Lead Consultant - Tech Mahindra | Dec 2018 - May 2021

AWS Technical Lead - Franklin Templeton. | May 2018 - Nov 2018

Cloud BPI Advisor - Dell / NTT Data. | Mar 2016 - Apr 2018

Project Manager - Encore IT Services | Oct 2015 - Feb 2016

Senior Cloud Consultant - Accenture | Mar 2014 - Oct 2015

Sales Analyst - NetApp | Jun 2010 - Oct 2013

Process Executive - Infosys & Tesco | Jun 2007 - Apr 2010

Key Assignments

● Led the design and implementation of large-scale, highly available cloud architectures on AWS for enterprise customers, resulting in improved reliability and scalability for mission-critical applications.

● Designed and implemented a cloud-based data analytics platform on AWS, resulting in a 50% improvement in data processing speeds and a 25% reduction in costs.

● Successfully migrated the company's on-premises workloads and databases to the cloud, using tools such as CloudEndure and AWS Database Migration Service, with minimal downtime and data loss.

● Optimised the cost and performance of the cloud-based applications and infrastructure using tools such as AWS Cost Explorer and AWS Trusted Advisor, resulting in annual cost savings of $300,000.

● Ensured compliance with industry standards and regulatory requirements related to cloud computing, such as PCI DSS, HIPAA, and GDPR, by implementing appropriate controls and policies.

● Designed and implemented a cloud-based e-commerce platform on AWS, resulting in a 100% increase in online sales and a 50% reduction in infrastructure costs.

● Led the migration of the company's data center to the cloud, using tools such as AWS Server Migration Service and AWS Application Discovery Service, resulting in a 30% reduction in IT infrastructure costs.

● Developed a cloud-based disaster recovery solution on AWS, resulting in a 99.999% uptime and a 50% reduction in recovery time.

● Implemented automation using tools such as Terraform and Git, resulting in a 20% reduction in the time required to deploy new applications and infrastructure.

● Established a continuous integration and delivery process using Jenkins, resulting in a 40% improvement in the speed and reliability of software releases.

Technology Stack

- **Cloud Platforms:** AWS (**6x AWS certified solutions architect professional**), Azure, DigitalOcean & GovCloud

- **Data Management & Storage:** RDS, Data Lake, Data Warehouse, NoSQL databases.

- **Big Data Technologies:** Hadoop, Spark, EMR, Kinesis, ElasticSearch

- **Data Modeling:** SQL, Scala, DBT, Talend, Tableau, PowerBI

- **Data Integration & ETL:** Glue ETL, Apache Flink, Informatica, Talend

- **Automation:** Terraform, Ansible, Jenkins, CloudWatch, EventBridge, Lambda, AWS CloudFormation, Apache Airflow

- **Data Governance:** AWS Glue Catalog, Amazon Macie, IAM, KMS, AWS CloudTrail

- **DevOps:** Git, Bitbucket, Jenkins, Docker, JFrog, AWS CodePipeline, Azure ADO, AWS CodeStar, Elastic BeanStalk

- **Programming Languages:** Python, PySpark, Scala, + 2 others (Fluent)

- **Diagramming:** Miro, LucidApp, Draw.io

Visa Details

- Canada till 2028 (Business B-1)
- Mexico (renewable)

Academic

2007
Bachelor of Science & Mathematics
Pondicherry University

Certifications

AWS Solutions Architect Professional

AWS Data Analytics Speciality

AWS Machine Learning Speciality

+7 AWS certifications & badges

- Implemented automation using tools such as Terraform and Git, resulting in a 35% reduction in the time required to deploy new applications and infrastructure.

- Designed and implemented a cloud-based machine learning platform on AWS, using technologies such as Amazon SageMaker and Amazon EC2, resulting in a 10x improvement in model training times and a 50% reduction in infrastructure costs.

- Trained and mentored team members on cloud architecture best practices, resulting in a 20% increase in efficiency and productivity
Successfully led a team of cloud engineers, resulting in the successful delivery of multiple cloud projects and the development of team members' technical skills.

- Designed and implemented a hybrid cloud architecture on AWS, using technologies such as AWS Outposts and AWS Direct Connect, resulting in a 100% increase in system availability and a 15% reduction in IT infrastructure costs.

- Created and maintained infrastructure as code, resulting in a 10% reduction in deployment time and a more consistent and reliable environment.

- Implemented a scalable VPC on AWS, resulting in 99.99% availability and 50% decrease in latency. This improved customer experience and led to 25% increase in operational efficiency and revenue.

- Implemented an IoT solution on AWS using IoT Core, Kinesis, and Lambda, improving operational reliability and efficiency by 50%, resulting in a 25% reduction in maintenance costs and a 25% increase in revenue.

- Led the implementation of a hybrid cloud solution, allowing the organization to leverage the best features of multiple clouds and resulting in improved flexibility and scalability.

- Implemented a data governance solution on AWS using AWS Identity and Access Management (IAM) and Amazon Macie, improving data security and compliance by 50% and reducing the risk of data breaches and regulatory fines, resulting in a 25% reduction in data governance costs and a 25% increase in customer trust.

- Implemented a DevOps solution on AWS using AWS CodePipeline and AWS CodeBuild, improving software release speed and reliability.
Improved the organization's continuous integration and delivery (CI/CD) pipeline, resulting in a 30% faster deployment time for applications.

- Led the implementation of a disaster recovery plan, resulting in a successful disaster recovery test and a more robust system.
Improved monitoring and alerting capabilities, resulting in a 30% reduction in mean time to recovery for outages.

- Implemented a real-time data pipeline on AWS using Kinesis, Lambda, and QuickSight, improving data processing speed by 50% and enabling real-time data-driven decision making, resulting in a 25% increase in operational efficiency and a 25% increase in revenue.