

ADITYA DESAI

Cloud Architect

SUMMARY

- As a seasoned Solutions Architect with over 6 years of experience, I have had the privilege of working with multiple clients and delivering innovative solutions to complex problems. My expertise lies in evaluating business requirements & designing and deploying scalable, secure, and cost-effective solutions utilizing Big Data and Hadoop ecosystems.
- Experienced in cloud computing, successfully designing and deploying web apps in AWS and Azure. Committed to customer satisfaction and technical excellence, delivering end-to-end solutions that exceed business requirements.
- Skilled in mentoring, communication, and leading teams to deliver high-quality projects on time and within budget.

SKILLS AND COMPETENCIES

Compute	EC2, Lambda, ECS	Virtual Machines, Functions
Storage	S3, EBS, EFS, Glacier	Blob Storage, File Storage, Disk Storage, Archive Storage
Database	RDS, DynamoDB	SQL Database, Cosmos DB
Networking	VPC, Route 53, Direct Connect	Virtual Network, DNS, ExpressRoute
Security	IAM, KMS, WAF, Shield	Identity and Access Management, Key Vault, DDoS Protection
Analytics	Redshift, Kinesis, EMR	HDInsight, Stream Analytics, Data Lake Analytics
AI/ML	SageMaker	Machine Learning, Cognitive Services
Mgmt. and Governance	CloudFormation, CloudWatch, Trusted Advisor	Resource Manager, Monitor, Advisor, Policy and Compliance
Developer Tools	CodeCommit, CodePipeline, CodeDeploy	DevOps Projects, DevTest Labs, Visual Studio Team Services

CONTACT

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EXPERIENCE

KOTAK MAHINDRA BANK LIMITED

Senior Manager | 2021 - Present · 3 yrs

Role : Solutions Architect | 2022 - Present · 1 yr 6 mos

- Application Modernization - Spearheaded the development of a scalable architecture plan for a multi-tier web application, utilizing the AWS Well-Architected Framework to ensure operational excellence, security, reliability, and performance efficiency. Successfully implemented the plan, resulting in a 30% increase in application availability and a 40% reduction in infrastructure costs.
- Migration - Led the successful migration of a web application from a decoupled Compute-Database architecture to a highly scalable cluster architecture, resulting in a 50% improvement in application performance and a 60% reduction in server response time.
- Stakeholder Management - Proactively communicated with cross-functional teams, including developers, operations, and management, to ensure alignment and eliminate roadblocks for successful deployment and migration. Fostered a collaborative work environment, resulting in a 25% increase in project completion rates.
- Technical Guidance and Support - Provided expert technical guidance, training, and support to cross-functional teams to ensure operational excellence and adherence to best practices for system stability and faster time to market. Mentored junior team members, resulting in a 35% improvement in their technical skills and knowledge.

Role : Cloud Administrator COE | 2021 - 2022 · 5 mos

- Provide technical support for AWS data analytics infrastructure (EMR, Athena, Glue, Redshift, and QuickSight) and address incidents and service requests promptly.
- Assist with ETL and data management for cloud-based data analytics and troubleshoot related issues.
- Monitor and optimize system performance, including query response time and resource utilization, to ensure optimal performance and cost efficiency.
- Manage user access and implement security controls to ensure compliance with industry standards and best practices.
- Develop and implement automation solutions (e.g., AWS Lambda and AWS Step Functions) to streamline data analytics processes.
- Document system configurations, issues, and resolutions to enable efficient resolution of future incidents and service requests.
- Communicate effectively with stakeholders and collaborate with cross-functional teams to ensure successful data analytics processes.

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LICENSES & CERTIFICATIONS

Amazon Web Services Solutions Architect

Confluent Certified Administrator for Apache Kafka

Amazon Web Services Cloud Practitioner

CDP Certified Administrator - Private Cloud Base

Security Certified Network Specialist (SCNS)

IBM - Certified Hadoop Administrator

Lean Six Sigma Yellow Belt Certification

ACHIEVEMENTS

CLOUDAGE GLOBAL SERVICES PVT. LTD.

Senior Bigdata Administrator | 2017 - 2021 · 4yrs

Role : Senior Bigdata Administrator | 2019 – 2021 · 2 yrs

1. Design, deploy, and manage Cloudera Enterprise clusters in cloud-based data centers like AWS and Azure.
2. Working under the shadow of AWS Solution Architects to ensure the clusters are optimized for AWS services.
3. Automate daily tasks using scripting tools like Ansible and Bash.
4. Implement robust security mechanisms for the clusters.
5. Plan, manage and optimize Hadoop cluster capacity.
6. Create data pipelines using tools like Kafka, StreamSets, and AWS Kinesis.
7. Configure and manage Hadoop clusters to optimize performance and resource usage.
8. Troubleshoot and solve Hadoop issues using CLI or GUI.
9. Perform root cause analysis (RCA) on failed components and implement corrective measures.
10. Plan, manage and execute CDH cluster upgrades and configuring BDR.
11. Collaborate with other teams like BI, Data Analyst, Data Scientist, and Developer teams for technical support.
12. Follow ITIL procedures for incidents, workflows, and issues.
13. Resolve tickets within SLA.

Role : Hadoop System Engineer | 2017 - 2019 · 5 mos

1. Providing second-level support to end-users for Hadoop-related technical issues.
2. Demonstrating exceptional customer service skills by building positive relationships with stakeholders and providing prompt, professional, and effective support.
3. Adhering to the ITIL process for service support to ensure high-quality and consistent service delivery.
4. Handling escalation calls, aging requests, and breach requests using appropriate procedures and tools.
5. Providing technical support based on incident and change management, including issue identification, diagnosis, resolution, and impact minimization.
6. Monitoring and analyzing logs, net flow, and bandwidth utilization to proactively identify issues and optimize performance.
7. Troubleshooting network-related issues using network analysis tools.
8. Providing remote support to resolve user problems through various tools like Microsoft RDP, VNC Viewer, SCCM, and TeamViewer.
9. Logging calls with service providers in ticketing systems and following communication protocols and SLAs.
10. Proactively monitoring and surveilling IT assets using Nexthink Application and ensuring compliance with security policies and industry standards.
11. Monitoring and tracking activities in ITSM Service Request Management Tools to continuously improve service delivery and user experience.