

Nirmal Chhodavadiya

AWS Solutions Architect | Developer Advocate | Cloud Presales
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SUMMARY

AWS-certified solutions architect and community-builder with 5+ years of hands-on cloud delivery experience and a passion for sharing knowledge. Recognized as an AWS Glue Subject-Matter Expert and contributor to AWS Knowledge Center, with experience designing reference architectures, writing technical evaluations and PoCs, mentoring engineers, and speaking at AWS community events. Strong storyteller who translates complex data, analytics, and CDC topics into clear narratives for technical and business audiences. Comfortable owning customer conversations end-to-end — discovery, architecture whiteboarding, PoC delivery, and enablement.

WORK EXPERIENCE

Credibly (Retail Capital LLC) | Senior AWS Data Engineer | January 2025 – Present

- Owned end-to-end design and rollout of the company's first production AWS data lake, partnering with analytics, finance, and engineering stakeholders to translate ambiguous business asks into a scalable architecture across S3, Glue, Athena, DMS, Lambda, and Step Functions.
- Authored architecture and evaluation papers comparing AWS DMS Serverless vs. Aurora Zero-ETL, RDS-to-S3 PoC patterns, and a data-environment recommendation, helping leadership make informed multi-quarter platform decisions on cost, complexity, and operational fit.
- Delivered a successful Proof of Concept for production live-mirror into the data warehouse, evaluating Glue, DMS Serverless, and Zero-ETL trade-offs and presenting findings to engineering leadership to align on a forward-looking data strategy.
- Unlocked previously unanalyzable NoSQL data for the analytics team by designing a DynamoDB Data Lake that exposes both current and historical record states through Glue Data Catalog and Athena — turning a long-standing customer pain point into a self-service analytics capability.
- Conducted technical interviews and design reviews, evaluating data engineering candidates on AWS fundamentals and contributing to hiring quality across the team.
- Migrated and consolidated 14 AWS DMS replication tasks into a hardened production account with multi-AZ replication, KMS encryption, Secrets Manager, and cross-account VPC peering — a reusable blueprint for similar enterprise data-migration engagements.

AWS India | AWS Bigdata Cloud Engineer | September 2021 – December 2024

- Developed various PySpark jobs to extract data from AWS Glue Catalog tables, perform transformations, and load to targets such as Iceberg, Delta tables, Redshift, or Snowflake. Scheduled the AWS Glue pyspark jobs using Glue triggers and Glue workflows to setup the sequential jobs flow.
- Designed Glue Hive partitioned table strategies with incremental crawlers to automatically register partitions during incremental loads, simplifying customer self-service Athena querying.
- Orchestrated the pipeline using Apache Airflow within **AWS Managed Workflow for Apache Airflow (MWAA) Service**.
- Setup **Application Load balancer (ALB)** to access the private-websserver-access type Apache Airflow environment.
- Performed **cross-account** Glue catalog sharing via **AWS Lake Formation** as well as **Resource based policies** enforced on catalogs. Using Athena, queried cross-account tables and created pyspark Glue jobs for ETL operations.
- **Authored various internal Amazon articles on troubleshooting Glue Service issues, as well as a public-facing article titled [How do I troubleshoot the "Unable to execute HTTP request... connect timed out" error in AWS Glue?](#)**
- Built an internal tool to package Python .whl dependencies as MWAA plugins, eliminating the need for the MWAA local-runner **Docker** setup; the tool was adopted by other engineers as the standard ramp-up path for private MWAA environments.
- Delivered enablement sessions and 1:1 mentoring for new joiners and tenured engineers, accelerating ramp-up on AWS Glue and PySpark across the Big Data team.
- Accredited as a **Subject-Matter Expert(SME)** for AWS Glue.
- Received the **Rising Star** for the top performance award of the Bigdata team.

Fiverr | Cloud Engineer | August 2021 – September 2021

- Provided solutions for small issues to consulting AWS Infrastructure.
- Helped with cost optimization for different clients related to cloud billings.
- Assisted and developed cloud-based Saas Development.
- All-time 5-star review for all orders from the clients. Profile link: <https://www.fiverr.com/nirmalpatel008>

Appgambit | Cloud Engineer | July 2020 – July 2021

- Worked with teams to create a system to collect and visualize data for printing material using Node.js, Sequelize.
- Implemented solutions using AWS serverless services of AWS and Serverless Framework.
- Having Experience of AWSDevTools like AWS CodeCommit, AWS CodeDeploy, AWS CodePipeline and AWS CodeBuild.

TECHNICAL SKILLS

Languages: SQL, Python, Pyspark

Databases & Data Warehouse: MySQL, PostgreSQL, Aurora MySQL, Amazon Redshift, Snowflake, Amazon DynamoDB, RDS

Big Data / ETL Tools: Apache Spark, PySpark, Apache Airflow, Apache Iceberg, Delta Lake, Change Data Capture (CDC), ETL/ELT

AWS Cloud Platform: AWS Glue, AWS DMS, AWS Lambda, Step Functions, S3, Athena, Lake Formation, MWAA (Managed Airflow), CloudFormation (IaC), Secrets Manager, KMS, IAM, VPC, Security Groups, VPC Peering, SQS, SNS, CloudWatch, QuickSight, EC2, RDS, DynamoDB, AWS CLI

CERTIFICATIONS

AWS CERTIFIED Data Engineer – ASSOCIATE: ([link](#))

AWS | May 2026

Glue Subject-Matter Expert: ([link](#))

AWS | September 2024

AWS CERTIFIED SOLUTIONS ARCHITECT – ASSOCIATE : ([link](#))

AWS | July 2021

AWS CERTIFIED CLOUD PRACTITIONER : ([link](#))

AWS | July 2021

COMMUNITIES

AWS User Group: ([link](#))

Surat, India | Co- Organiser | January 2023 – Present

I organize seminars/workshops and delivered the session at meetups/community days as a speaker - [LinkedIn](#)

EDUCATION

R.N.G. PATEL INSTITUTE OF TECHNOLOGY

Bardoli, Gujarat | (2016 – 2020)

B.E. in (Computer Engineering) CGPA: 8.66/10.0