

AMEEN ASHADHULLAH M

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[linkedin.com/in/ameen-ashadhullah](https://www.linkedin.com/in/ameen-ashadhullah) | [GitHub: AmeenAshad19](https://github.com/AmeenAshad19) | **AWS Certified Data Engineer**

SUMMARY

Software Engineer (Data) specializing in internet-scale Big Data solutions and high-availability infrastructure. Expert in **Python**, **Spark**, and public clouds (**GCP**, **AWS**). Proven track record of migrating **100B+ record** pipelines, implementing robust ETL/ELT architectures, and integrating Machine Learning for data governance. Adept at collaborating with stakeholders to design scalable, cloud-native architectures.

TECHNICAL SKILLS

Core Languages: Python, Java, Scala, SQL, C++, Golang, Unix Shell Scripting
Big Data & Processing: Apache Spark, SparkML, Hadoop, ETL/ELT, Apache Iceberg, Kafka, CDC
Cloud Ecosystem: GCP, AWS (EMR Serverless, Glue DB, Athena, S3, Lake Formation, Lambda, IAM)
Databases & Infrastructure: PostgreSQL, Oracle, MongoDB, NoSQL, Terraform (IaC), ECS Fargate, Docker
Observability & ML: Machine Learning (LLMs/LangChain), CI/CD (TeamCity, Jenkins), ELK Stack

EXPERIENCE

Guidewire Software Bengaluru, India
Software Engineer (Data & Infrastructure) Feb 2024 – Present

- Engineered multi-tier, high-availability ETL/ELT pipelines using **Python** and **Spark** to process **100B+ records**.
- Engineered CDC pipelines from **Iceberg** to **PostgreSQL**, using Spark broadcast joins to reduce query times by **70%**.
- Architected event-driven schedulers to dynamically trigger serverless **Spark** jobs, reducing compute costs by **40%**.
- Developed an intelligent AIOps agent using **LLMs**, automating governance and reducing manual triage time by **60%**.
- Led infrastructure modernization via autoscaling **ECS** clusters, maintaining strict **CI/CD** and **IaC** pipelines.
- Translated complex stakeholder requirements into scalable, cloud-native public cloud solution architectures.

Moopai Coimbatore, India
Software Engineer Intern Sep 2023 – Jan 2024

- Designed analytical extraction workflows (**Python**, **SQL**), optimizing caching for sub-millisecond broadcast latency.

PROJECTS

Real-Time Geospatial Streaming Infrastructure | Golang, Kafka, AWS Glue DB, Athena

- Architected concurrent microservices monitoring 10k+ streams, enabling serverless cloud information retrieval.
- Implemented strict data quality procedures to ensure reliability across distributed streaming frameworks.

High-Performance Automated Transaction Engine | C++, Python, Kafka, Redis

- Built a resilient transactional engine implementing strict idempotency rules to manage modern transactional data.

EDUCATION

Amrita Vishwa Vidyapeetham Coimbatore, India
B.Tech in Computer Science and Engineering (Artificial Intelligence) 2020 – 2024

- Key Coursework:** Big Data Analytics, Machine Learning, Advanced Database Management, Distributed Systems.

CERTIFICATIONS

AWS Certified Data Engineer - Associate
AWS Certified Developer - Associate