

ASHOK G

Lead Data Engineer & Architect | Cloud Solutions | Full-Stack Developer

Result-oriented Lead Data Engineer and Architect with over 15 years of experience in data engineering, cloud architecture, and solution design. Expertise in building modern data lakes, complex data modeling, and automated data extraction pipelines using AWS services and cloud ecosystem tools.

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WORK EXPERIENCE

Lead Data Engineer

Apr 2019 – Present

Clarivate

- **Technical Leadership & Strategy:** Provided technical leadership and mentorship to data teams, establishing schema standardization, data governance, and high-performance ingestion.
- **Advanced Data Modeling:** Architected dimensional and relational data models, designing optimized schemas for data lakes and high-throughput query engines.
- **Delta Lakes & Cloud Storage:** Designed and implemented Delta Lakes on AWS (S3, Glue, Lake Formation), ensuring ACID compliance, time-travel capabilities, and efficient storage.
- **Data Extraction Pipelines:** Engineered robust ETL/ELT pipelines with incremental extraction strategies from disparate legacy sources and high-volume databases.
- **Backend Microservices:** Developed robust APIs using Java SpringBoot and Python to process and serve enterprise lakehouse assets cleanly.
- **Legacy Migration:** Modernized 10–15 year old legacy systems to modern cloud infrastructure with 100% data accuracy and reduced query latency.
- **Performance Optimization:** Managed AWS services (ECS, RDS, Glue), tuning partition strategies and compaction jobs for enterprise data volumes.

Sr. Software / Data Engineer

Jun 2016 – Mar 2019

DRG - Decision Resources Group (Clarivate)

- **Data Platform Development:** Spearheaded corporate web application enhancements and data collection platform integrations.
- **Custom Search Engine:** Implemented Solr-based search platforms for rapid indexing and retrieval across large datasets.
- **Data Security:** Applied security best practices, access controls, and code-level performance optimizations across full-stack applications.

Technical Skills

Data Modeling Delta Lakes
Data Extraction AWS S3 / Glue
Lake Formation Python
Java SpringBoot PostgreSQL
MySQL Apache Solr
PHP / Laravel
Solution Architecture

Key Competencies

- 15+ Years Industry Experience
- Delta Lakes & Cloud Lakehouses
- Relational & Dimensional Modeling
- ETL/ELT Extraction Pipelines
- Legacy System Modernization

Education

MCA (Master in Computer Applications)

2005 – 2008 | Bharathiyar University

B.Sc - Mathematics

2002 – 2005 | Bharathiyar University

Certifications & Honors

Data Engineering Foundations

Astronomer Professional Cert.

NCC Air Wing C-Certificate

Leadership & Discipline

ADDITIONAL EXPERIENCE

WordPress Specialist

Apr 2015 – May 2016

TOBOC

- Built custom WordPress plugins, managed MySQL databases, and executed open-source PHP integrations with strict data security practices.
- Managed project specifications as an individual contributor with clear technical documentation and rapid troubleshooting.

Senior Project Specialist

Jul 2014 – Apr 2015

Payoda Technologies

- Led a development team of 15 developers, establishing code quality benchmarks and process standards.
- Supervised delivery of web projects from requirement gathering to end-to-end execution.

Sr. Programmer

Jul 2010 – Jun 2014

ELGI EQUIPMENTS LIMITED

- Developed custom enterprise applications and automated operational data workflows across multiple departments.

Early Engineering Roles

2008 – 2010

- **Web Developer:** SUDHARSANITECH (Airpush India) (*Mar 2010 – Jun 2010*)
- **Web Programmer:** ECSTASOFT SOLUTIONS (*Sep 2009 – Feb 2010*)
- **Junior Web Developer:** DESIGNOSOFT (*Jul 2008 – Aug 2009*)

Soft Skills

Technical Leadership • Mentoring • Communication • Problem Solving • Cross-Functional Collaboration

Interests & Hobbies

Tech Learning • Problem Solving • Active Games • Photography