

Passionate software team lead with substantial experience in building big-data pipelines. Enthusiastic about contributing to large-scale applications and possessing a steadfast commitment to rigorous testing and automation. In my role as a team lead, I am dedicated to ensuring that tasks are executed in the most effective manner, fostering an environment where my team can grow and learn as we collectively achieve our goals.

Work Experience

Lead Technologist	LG Ad Solutions	Aug 2023 - Present
<ul style="list-style-type: none">Leading team responsible for managing the supply side platform (SSP) of the Ad stack.Implemented a structured release cycle and sprint planning within the team.Spearheaded the refactoring and migration of the LG Ad Server, originally written in JAVA, to Golang. Emphasized robust automated testing through Docker and Jenkins.Established a near real-time automated alert system for monitoring SSP traffic. Processed server logs from Kafka using Spark and integrated Slack for instant alerts.Architected user access control for the SSP configuration server, incorporating an approval request flow for Product Managers to configure the SSP.Conducted online interviews for full-time hiring positions.		
Technologist	LG Ad Solutions	Aug 2019 – Jul 2023
<ul style="list-style-type: none">Played a key role in contributing to and managing a multi-stage ACR data pipeline, overseeing the flow from match information in Kafka to viewership datasets on HDFS. Optimized various stages in the pipeline by leveraging modern data formats like Parquet and employing Spark library functions.Constructed a real-time data pipeline for monitoring SSP traffic, transforming log information in Kafka into Kibana dashboards with data stored in ElasticSearch.Assumed ownership of the Household graph pipeline, introducing a new data source, enhancing stability, and implementing an extensive test suite.Managed a 25-node ElasticSearch cluster, addressing cluster issues and overseeing scaling operations.Developed REST APIs for the SSP configuration server in Golang.Played a key role in supporting programmatic demand data pipelines, contributing by writing Data APIs in Scala for data access, an alerting tool in Python, and REST APIs in JavaScript for the backend server.Contributed to various data pipelines addressing data privacy, data onboarding, and data delivery.Designed an online programming test for internship hiring.Conducted coding round interviews for entry-level hiring.		

Technologies and Languages

- Languages: Scala, Python, Golang, JavaScript
- Technologies: Spark, ElasticSearch, Hadoop, Kafka, MySQL, Redis
- Other: Docker, Airflow, Kibana, Jenkins, Amazon EC2/S3

Education

MTech(Computer Science)

IIT Delhi

Jul 2017 – Jul 2019

- Graduated with a CGPA of 9.3, securing 2nd rank in the MTech CSE batch.
- Presented my MTech thesis on Knowledge Graph Embeddings
 - Investigated cutting-edge Knowledge Graph Refinement methods that leverage diverse feature sets.
 - Applied ontological information within a probabilistic framework to enhance embedding-based methods. This approach significantly improved performance on datasets commonly referenced in contemporary literature.
- Co-authored the research publication titled "*IterefinE: Iterative KG Refinement Embeddings using Symbolic Knowledge*" ([AKBC '20](#))

BTech(Computer Science)

University of Delhi

Jul 2013 – Jun 2017

- Achieved a good academic performance with a percentage score of 88.15%.
- Independently prepared for the GATE examination during my course and achieved an All India Rank of **26** in GATE 2017.