

Passionate software team lead with substantial experience in building large scale applications and big-data pipelines. Enthusiastic about large scale real world problems 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
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- Leading engineering team responsible for managing the supply side platform (**SSP**) of LG Ad stack.
- Designed Ad Signal Augmenter service, expected to manage **10K** QPS for LG Channels CTV inventory.
- Spearheaded the refactoring and migration of the LG Ad Server, originally written in JAVA, to **Golang**. Emphasized robust automated testing through **Docker** and **Jenkins**.
- Architected user access control for the SSP configuration server, incorporating an approval request flow for Product Managers to configure the SSP.
- Implemented a structured release cycle and sprint planning within the team.
- Continuously guiding the team in addressing feature requests from the Product team.
- Conducted online interviews for full-time hiring positions.

Technologist	LG Ad Solutions	Aug 2019 – Jul 2023
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- 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 high volume 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
<ul style="list-style-type: none">● Graduated with a CGPA of 9.3, securing 2nd rank in the MTech CSE batch.● Presented my MTech thesis on Knowledge Graph Embeddings<ul style="list-style-type: none">○ 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 “<i>IterefinE: Iterative KG Refinement Embeddings using Symbolic Knowledge</i>” (AKBC ’20)		
BTech(Computer Science)	University of Delhi	Jul 2013 – Jun 2017
<ul style="list-style-type: none">● 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.		
Class XII	Shanti Gyan Niketan, Delhi	2013
<ul style="list-style-type: none">● CBSE board examination : 93.6%		
Class X	MDH International School, Delhi	2011
<ul style="list-style-type: none">● CBSE board examination : CGPA 9.8		