

Katpalli Manikanth

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Experience Summary

July 2018 - Present **Associate Consultant**, *Capgemini Technology Services India LTD.*, Hyderabad, Telangana

Technical Skillset

C/C++, Scala, Spark, SQL, My SQL, JAVA, Athena, Git, Unix, AWS Glue, AWS S3, Hive, Hadoop, Autosys

Project Details

Project Name DataLake Infrastructure Evolution (Oct 2018 - Present) for Coca-Cola.

Role Big Data Developer.

Description Providing a cloud-based, versatile big data solution that accumulates and stores massive amounts of structured and unstructured data for exploration and reporting for data-driven business decisions.

Technologies AWS S3, Apache Spark, Scala, AWS Glue, AWS Athena, Shell Scripting, Autosys, UNIX, GIT.

- Tasks**
- Involves developing end to end data ingestion pipelines for incoming data from various vendors, applying transformations, validating the data and making it available to Business Users in the required form.
 - Autosys to automate the ETL process on a given set of data.
 - Autosys as a scheduler tool for scheduling and maintaining dependencies to coordinate the entire pipeline process as well as monitoring the execution of the Glue jobs.
 - Shell Scripting along with Apache Spark with AWS Glue(as a serverless alternative to Spark) along with Scala for data ingestion and intermediate processing.
 - Storing the data in AWS S3 integrated with AWS Athena to be used for further analysis and reporting.
 - Used AWS as the prime source for various applications like Data Storage(S3), Athena, ETL tool called Glue.
 - Worked in an Agile development environment using Version One as the workload management tool.

Academic Projects

Project Name **Implementation of log function in Verilog (Aug - Nov 2016).**

Description I have successfully implemented a system that calculates log function(base 2) of given value with precision up to 3 decimal places.

Tools Used Modelsim, Vivado design suite. Hardware: Nexys 4 Artix 7 FPGA.

Project Name **Designed layout and verification of Gaussian filter (Jan - May 2018).**

Description Developed the modules and designed physical layout by using Cadence SoC Encounter software by performing floorplan, placement, routing, CTS, power and timing analysis.

Education

Degree	Institute	Year	CGPA/%
B.Tech ECE	Indian Institute of Information Technology, Allahabad	2018	7.3
Class XII	Narayana Jr. College, Hyderabad	2014	92.5%
Class X	Indur Model School	2012	8.8

Achievements

- Received the **Xtra Mile Award** from the Capgemini Business Unit(Insights and Data) for exemplary work and ensuring successful delivery of other critical projects.
- Represented IIIT Allahabad in cricket tournament conducted by IIIT Gwalior.
- Won district level Kho Kho championship.