Apache Calcite	
Candidate Name	Krishnakant Agrawal
Current Company	Datametica Solutions
Current Designation	Senior Member of Technical Staff
Current Location/Native	Pune
Education	B.Tech (NIT)
Experience	4+ Years
Apache Calcite Experience	2 Years

KRISHNAKANT AGRAWAL

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OBJECTIVE

To secure a promising position that offers challenging role and a good opportunity for growth. Utilizing my technical skills to implement innovative ideas and meanwhile benefit the team with my analytical and logical abilities. Aspiring to learn new technologies on the go and solving problems in Real Time.

EDUCATION

B.Tech (I.T.)	N.I.T ,Raipur	N.I.T	2016	62.4%
12th Board	Indu IT School, Bhilai	CBSE	2011	66.4%
10th Board	RKC, Raipur	ICSE	2009	87.2%

TECHNICAL SKILLS

Groovy, Java, Docker, **Apache Calcite**, ETL Workloads, MapReduce, SQL Engine and Parsing Concepts, Neo4j, Shell & Groovy Scripting, HDFS, Hive, Pig, Spark-SQL, Teradata, Spock Testing Framework, Beam

WORK EXPERIENCES

- **Senior Member of Technical Staff** at Datametica Solutions Pvt. Ltd. **Jan 2019 - Present**
- **Member Technical Staff** at Datametica Solutions Pvt. Ltd. **July 2016 - Dec 2018** (2 Year 6 Months)

  As a part of Product Team, developed Enterprise grade Software Suite involving EDW Migrations.

POSITIONS OF RESPONSIBILITY

- Part of the Software Delivery team meeting deadlines and solving Bugs on the fly.
- Spearhead Exploring OSS frameworks and getting the Initial Understanding.
- Coordinator of Sports Fest SAMAR(NIT Raipur)
- Coordinator of Cultural Fest ELECTIKA(NIT Raipur)
- Head Volunteer of AAVARTAN ,the Technocracy by NIT Raipur.

ACHIEVEMENTS

- Participated in All India NIT Football Tournament 2013-2014(NITK, Surathkal)
- Participated as Cadet in 3CG AIR SQUADRON NCC, Raipur.
- Secured distinguished rank in International Mathematics Olympiad 2008.
- Secured "Very Good" grade in NIIT@School program.
- Secured ranks for Football, Badminton, Cricket, Recitation, Drama & Dance.

PROJECTS AND TRAININGS UNDERGONE

- Automation and Support Products for **Enterprise Data Warehouse Migration.** This project involved creating a Spring based application in Java & Groovy, diving deep into the concepts of SQL and the way they are parsed and executed by different SQL engines. Also, I worked on the Graph Database Neo4j for output and business value generation using Graph Traversal Algorithms. The project is MapReduce Application, so had to deal with creating stateless, parallel executing logic for increased performance, where sequential and
  stateful processing is the defacto method for processing in such scenarios. Wrote Shell and Groovy script for Data Ingestion. Hive and Pig scripts were used to manipulate data afterwards.
- Developed a **SQL Translator** to aid EDW offloads b/w different SQL Databases. The project took me through dealing with tree representation of SQL queries and implementing Visitor Design
  Pattern. The process also required Optimization of queries so Relational Algebra for Sql was also involved. As the product is in R&D phase and open source Apache projects were used, a lot of open source code was to be analyzed. It also led to contribution to the Open source community.
- Working on **ETL Workload Translator** tool that converts ETL Jobs created using tools like IBM DataStage, Informatica to a code base which emulates the ETL operation but uses python with embedded SQL.
- Working on a side project which involves creating **Mobile App** for charity purposes. Backend involves Spring-Boot Application written in KOTLIN with POSTGRES as the DB. Using CDC tools on DB like Debezium. Client side is written in REACT NATIVE.
- Worked on Unit Tests which connected to several On-Prem and Cloud DB's. Optimized test run times by enabling Multi-Threaded Execution of each test case and adding Multi-Process Gradle Build to the project.
- Developed an **Automated Build(Semaphore CI) And Deploy (PackageCloud Repository)** for a fork of an Apache Calcite Project hosted on GitHub.
- Automated Python Script generation which executes on Google Cloud to perform Data Operations on BigQuery.

- Completed **PHP with MySQL** training program at **NARESH IT, Hyderabad.**
- Academic Project on **Web Crawling and Web Development** using **Scrappy** framework to crawl the needed data in csv format. The csv files were then loaded onto a Database. Then the website was implemented using **RubyOnRails.**
- Implemented a **Library Management System**.
- Attended Loophole and Ethical Hacking Workshop (Kryion Digital Securities (P) Ltd)

DECLARATION

I hereby declare that the information provided above is true to the best of my knowledge.

Place: Pune   **KRISHNAKANT AGRAWAL**