Prakash Kafle

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**Skills Summary**

* More than 15 years of experience working in Data Warehousing Solutions, Data Management, Data Quality, ETL, ELT, Design, Data Analysis.
* Worked on various ETL tools on-prem (Ab Initio, Data stage, Informatica) and cloud (ADF, Azure Synapse, Databricks, PySpark, Talend, AWS Glue, Informatica)
* Architected and developed various frameworks for Data Ingestions, data processing, and job wrapper.
* Involved in Application Development, Deployment, Production Support, and Change Management and Maintenance in various Data Warehousing Projects.
* Experience in creating Data Warehouse, Data marts, Data Models and report design.
* Design and developed Automated Engine for on-prem to cloud ETL conversion.
* Extensive knowledge in Abinitio plan/graph design, EME operations, parallelism, continuous graphs
* Good exposure to SQL, PL/SQL stored procedures, DDL, DML, Triggers and Packages.
* Professional experience in Designing and Providing solutions for Investment banking, Consumer banking, Mortgage banking and Insurance
* Managed various teams of 6-10 software developers incl. training and mentoring, guiding on solutions, interviewing new talents.
* Good understanding of system architecture, integration approaches, database design principles and master data definition/management.
* Ability to meet deadlines, spanning multiple business domains and capable of handling pressure, coordinating multiple priorities and managing user expectations.
* Able to work in a team or independently with experience of liaising effectively throughout corporate structures and across geographies.
* Always inclined towards learning new technologies and processes as per on-growing industries.

**Technology**

**Azure Services:** ADLS, ADF, Azure Databricks, Synapse Analytics, Event Hubs, Cosmos DB, Azure databases, Active directory, RBAC, KeyVault, RM templates

**Big Data Ecosystem:** Hadoop, HDFS, Hive, Spark, Pig, Kafka **Databases:** Oracle, Postgres, MS SQL Server, Teradata, Sybase **ETL Tool:** Ab-Initio, Talend, Informatica, Data stage, PySpark **Reporting Tool:** Power BI, Tableau, Qlik Sense

**Scheduling Tool:** Control-M, Dollar Universe, Crontab, OpCon

**Languages:** SQL, Python, Java, .NET, ksh

Tools

**Certification**

* + Microsoft Certified: Azure Fundamentals
	+ Microsoft Certified: Azure Data Engineer Associate

**Career Profile**

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| Dates | Organisation | Role |
| Apr 2023 - Present | Komhar Services LLC | Product Solution Architect |
| Oct 2008 – Apr 2023 | TATA Consultancy Services | Solution Architect |

**Work Experience Details**

**Nov 2021 – present, Komhar, US**

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| --- | --- |
| Project | Automated Cloud Migration - Converts from on-prem ETL to cloud ETL |
| Role | Product Solution Architect |
| Responsibilities | * Requirement Analysis and Framework Design
* Development of Conversion Logic and integration of Cloud Services
* Testing and Quality Assurance with Automation and CI/CD
 |
| Tools | Python, Azure Synapse, ADF, Snowflake, SQL, DBT, Matillion |

**Nov 2021 – Apr 2023, Athora, Netherlands**

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| Project | SDP - A smart data platform in Azure tech stack, migrating on-prem data to the cloud. |
| Role | Solution Architect |
| Responsibilities | * Assessment of the existing on-prem Data Warehouse and Power BI reports
* Architecture design and creation of Data Warehouse in Azure environment using ADLS, Databricks, Synapse serverless pools, resource manager templates
* Creating Data Models, Data Marts, Tables, Cubes and reports
* Deploying to higher environment using pipelines
 |
| Tools | Azure Synapse, ADLS, Databricks, ADF, pyspark, SQL |

**Nov 2020 – Nov 2021**

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| --- | --- |
| Customer | Various - LGA, Dibber, Athora, Bayer, Chanel, AGFA |
| Role | Solution Architect - TCS Presales |
| Description | Design and propose technical solutions to Customer |
| Responsibilities | * Analysis of the current technology environment and client requirement
* Developing solutions, design, SOW, service design and bills of materials.
* Develop technical solution and pricing models according to client need
* Sales presentations with service offerings, architecture and case studies
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| Tools | Azure Synapse, ADLS, Databricks, Event Hubs, Steam Analytics, ADF, Cosmos DB,pyspark |

**May 2017 – Nov 2020, JPMC, Wilmington, DE**

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| Project | Data Ecosystems - eLetters |
| Description | The project involves building of systems and processes in Hadoop ecosystems that enable paperless delivery solutions for the One Chase Letter Engine (OCLE) documents as a cost- effective, and customer-desired, alternative to paper mail. |
| Role | Designer, Developer - Technical Lead |
| Responsibilities | * Designed and developed ETL process, with recoverability features.
* Created spark application for CDC/SCD 2 generic process for delta files in Hadoop.
* Created a spark application to extract data from Sybase DB into AWS S3 bucket.
* Extraction of data from Hadoop and load into Oracle, HIVE and Teradata for reporting.
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| Tools | Abinitio, Hadoop, Oracle, Teradata, UNIX, Hive, Control M, Java, AWS, pyspark |

**Feb 2016 – Apr 2017, JPMC, Dallas, TX**

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| Project | Mortgage banking - Ecosystems Sub stream - The project involved migration of ICDW projects on the Teradata platform to the Hadoop Data Ecosystem. It warehouses a huge amount of data related to Mortgage banking into the Hadoop platform. |
| Role | Designer, Developer - Technical Lead |
| Responsibilities | * Created framework/generic Abinitio graphs driven by psets.
* Converted multiple graphs into plans to enable ease of maintenance.
* Creation of wrapper script and development of restartable framework for plan tasks.
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| Tools | Abinitio, Hadoop, Conduct>IT, Oracle, Teradata, UNIX shell scripting, Hive. |

**Apr 2013 – Jan 2016, BNP Paribas, Belgium**

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| Project | VB6 PhaseOut - The project involved the migration of all in house developed VB6 batch applications that are currently used on the Brussels data centre to Ab Initio. |
| Role | Designer, Developer - Technical Lead |
| Responsibilities | * Analyse VB6 scripts to create requirement documents.
* Design Ab Initio plans, graphs to depict the VB6 behaviour.
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| Tools | Ab Initio, Elementum, Unix Shell Script, SQL server, Oracle 10g, Sybase, Dollar Universe |

**May 2010 – Mar 2013, JP Morgan Chase, US**

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| Project | JPMC FDW CAS Ab Initio |
| Role | Developer, Team member |
| Responsibilities | * Requirement gathering, analysis, design of ETL (Ab Initio) graphs.
* EME operations, Multi File System, control M job creation.
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| Tools | Ab Initio, Unix Shell Script, Oracle 10g, HP Quality Centre, Control-M |

**Oct 2008 – Apr 2010, British Telecom, UK**

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| --- | --- |
| Project | BT – BBCR (BroadBand Customer Reporting) |
| Role | Developer, Team member |
| Responsibilities | * Development and maintenance of Ab Initio graphs, Unix Scripts, PL SQL codes
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| Tools | Ab Initio, Unix Shell Script, Oracle 10g, Control M, Clarify |

**Qualifications**

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| Degree and Date | Institute | Major and Specialisation |
| Bachelor's of Science, 2008 | North East Hill University | Computer Science |