ARPIT SHARMA

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## Objective

To work, learn, and grow in an esteemed organization as a Software developer, where I would be able to utilize my abilities, skills, and knowledge holistically to achieve the highest possible level of professional and technical competency.

### Professional Experience

* Currently associated with **MasterCard** as Senior Software Engineer
* Good understanding of Analytics Dashboards. Use efficient and productive components to the dashboard as per the requirement
* Quick learner and efficient team player with good communication and interpersonal skills, and the ability to resolve complex application issues.

### Summary of Major Skills

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| **#** | **Skill** | **Technology** |
| 1 | UI (User Interface) | HTML, CSS, Chart.js |
| 2 | Script | JavaScript, jQuery |
| 3 | Language | Java (Spring Boot, Spring Batch) |
| 4 | Database | MS SQL server, Oracle, Snowflake, Apache Kafka |
| 5 | Version control/Project Tracking | GIT, JIRA, Rally |
| 6 | Cloud | Azure |
| 7 | Business Intelligence | Power BI, Advanced Excel, MSBI (SSIS, SSAS, SSRS), Tableau, Azure data factory, DAX studio |



**22th July 2016 – 30th July 2021 3th August 2021 – 5th August 2022 18th August 2022 – present**

**MASTERCARD**

**Project # 1: Reports Rewrite**

* Engineered **data pipelines to collect, stage, and model data** from multiple sources, ensuring timely and accurate reconciliation across various monthly data consumption. Enabled significant operational efficiency and transparency, contributing to the retention of approximately **$25 million** in revenue through this strategic migration from the **mainframe and restructuring initiative**.
* Developed the platform using **Java (Spring Boot)** for data consumption, with event-driven data ingestion via **Kafka** and an in-house product **Event Framework**. Processed **1 million transactions for 6 consumers daily** and staging.
* While integrating, we onboarded and implemented a **Crypto-as-a-Service (CaaS)** solution for encrypting sensitive data retrieved from AXON, and we have established both **data-level and file-level encryption** mechanisms to ensure end-to-end security and compliance
* To facilitate the transfer of high-volume data files, we utilized the **NGFT Chariot SDK (S3 bucket multipart upload)**, which enabled efficient and reliable delivery of reports to customers.
* Optimized query performance by implementing **caching mechanisms** for high-volume configurations (~120K records) consumed through the EF application.
* Designed RESTful APIs and integrated **Swagger** for monitoring API health, Configured **Jenkins CI/CD pipelines** for automated deployment. Set up **Splunk dashboards and alerts** to monitor pipeline failures. Hosted the Java application on **PCF (Pivotal Cloud Foundry)**.
* Wrote **test cases, Checkmarks, Code coverage, and integration with Hashi Vault.**

**Project # 2: Operational Reports**

* Developed and delivered analytical reports for **Issuers, Acquirers, and Merchants**, providing insights into key payment domains such as **cryptocurrency, MDES, Tokenization, Stand-in, and Chargebacks**. These reports helped stakeholders identify business challenges and uncover growth opportunities.
* Contributed to a project generating **$450M YOY** for **Mastercard**, with new reports adding **$15M YOY**.
* Developed **30+ analytical reports**, monitored **data staging,** and managed failovers to ensure timely report delivery. Designed and implemented **data models** for processing and analyzing data from multiple sources, ensuring robust **logging, auditing, and fallback mechanisms**.
* Optimized large-scale payment data processing by implementing Partitioning & indexing for efficient data extraction, and On-demand data retrieval to minimize processing overhead.
* Deployed **SSIS packages** across multiple environments using **ISPAC files** for seamless integration and execution.

**HARMAN CONNECTED SERVICES (A SAMSUNG COMPANY) CLIENT: - Varian Medicals**

**Project # 1: Next Gen Analytics Services**

* **Varian Medical** is a subsidiary company of **Siemens Healthcare,** which has a vast medical business in **Oncology (the Study of cancer treatment).** For tracking the Patient's information, they have a platform known as Insightive Application (**Developed in Tableau)**. The idea is to revamp and provide a new product that help customer to understand the pain and gain in business using **Power BI.**
* The Platform is created on a **web-based application** that is developed with the help of **AngularJS (Single Page application), and Java (Spring Boot MVC)**. Embedded all **KPIs, Power BI report, and paginated reports** data are visibleaccording to user provisioning.
* For Data Pipeline, we are using **Azure Data Factory,** and for the warehouse, we have a **Snowflake database**. Previously, data was extracted through an On-Premises platform, now shifted to the cloud.
* Used a **live dataset** for reducing rework in the Power Bi service. Did proper modeling with **Fact & Dimension tables, calendar table**, and used the **Star schema** approach for modeling.
* Implemented the concept of **slicers, Bookmarks, Drilldown, Drill through, Selection Panel, and Cascading,** created a workspace, and managed the delivery of Reports.
* Created different types of paginated reports that perform **row, column grouping, drilldown, Drill through**. wrote queries with the help of CTE, Sub query as well as stored procedure.

**TATA CONSULTANCY SERVICE CLIENT: - Eli Lilly & Company**

**Project # 1: 1Window Website & Contract Module**

* Having a good understanding of **Chart.js**, implemented all types of graphs on the website. performing proper validation on using **JavaScript, Regex.**
* Design a website with the **.NET MVC** framework and **web service API, using Entity Framework**

Having a good understanding of **WebSocket & Signal R** for real-time data.

* Implemented the concept of the **Dependency Injection design pattern** using the **Unity Library**
* Act as **Tableau developer** for the contract module, also work closely with Stakeholders/ programmers
* Blended data from multiple databases into one report by identifying the primary source and secondary sources as needed. Extensively used concepts of **Aggregation, Blending, Parameter, Hierarchies, charts, filters, Table calculation**, Trend Line, and Calculated measures.
* Having good experience with **Tableau Desktop, created report authoring and troubleshooting.**
* Create **interactive filters, parameters, and calculations** for preparing dashboards and worksheets
* Having the confidence to work cross-functionally with various departments, including business stakeholders and technical personnel, to exchange ideas.

# **Certifications**

* Microsoft SQL Querying Data with SQL**,** Stored Procedure Developing SQL Databases, **(70-761, 70-762)**
* Microsoft Power BI Data Analyst, Microsoft Azure Data Engineer Associate, **(DA-100, DP-203)**

# **Achievement**

* Got a 3-time on-spot award from the lead and manager while working in TCS, got 4 times award in MasterCard for critical deliveries, Scored 26th rank in MCA entrance exam

# **Academic Qualification**

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| --- | --- | --- | --- | --- | --- |
| **Qualification** | **University/Board** | **College** | **Year** | **Course type** | **Percentage** |
| M. C. A | DEEMED UNIVERSITY | SASTRA University, Thanjavur, Tamil Nadu | 2018 – 2021 | Distance learning | **7.74 CGPA** |
| B. C. A | CSJMU Kanpur University | Dr Virendra Swaroop Institute of Computer Studies | 2013 – 2016 | Full time | **68.7%** |