

Logbook

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19-08-2019

1 Week 1(19.08.2019-23.08.2019)

- Presentation of the company
- Presentation of the project I'm going to be involved in the following weeks
- First project is a telephone system based on a Cisco Telephone System used by the company
- Second project is scrapping web pages that contain information about Solar's customers
- Presentation to the SAP environment
- Started working on the design for storing the information from the telephone system
- Started working with an API to receive information about customers
- Was introduced to Analysis for Office which is a system to get data from SAP and do analysis on it
- Introduction to metadata about DB

2 Week 2(26.08.2019-30.08.2019)

- Introduced to another small project that I could be part of
- Learned to perform elastic search on an API
- Presentation to the HANA environment
- Meet the Sales Force department
- Presented to the different kinds of objects in SAP (Info Objects, Data Store Objects, Characteristics, Key Figures, Master Data, Texts, Hierarchies, Process Chains)
- HANA views
- Transformations inside the SAP Flows
- Loading data into master data
- Presentation to the Business Warehouse environment

3 Week 3(2.09.2019-6.09.2019)

- Launched first project into Production servers that is used by the frontend team
- Error Handling in SAP
- Composite Providers
- Aggregations inside the HANA views
- Query Designer to create queries on top of the composite providers
- how to best handle data loads

4 Week 4(9.09.2019-13.09.2019)

- Introduced to the Mosaic Decisions platform
- Moved part of code for scrapping onto the Mosaic platform
- Scrapping project moved to international level. Now information has to be gathered about all the international customers
- Extend existing InfoObjects with information from Data Store Objects
- Moving onto the other countries for scrapping
- Transporting code to Production Platform
- new framework for scrapping
- being proposed a new project by the frontend team to work on the backend

5 Week 5(16.09.2019-20.09.2019)

- Mosaic Courses presented by LTI
- Understanding the Apache Hadoop system
- Working with Mosaic flows
- Working with Zeppelin notebooks
- Introduced to 2 new projects
- First project is about an Machine Learning Model
- Second project is about scrapping a new API with products information
- Working on the features of the ML Model
- Getting the initial result from the API and presenting what is available

6 Week 6(23.09.2019-27.09.2019)

- Getting close to finishing the telephone system project
- Writing shell script to run python script from a flow
- Looking together with the team on improving the approach with the Mosaic Platform

7 Week 7(30.09.2019-4.10.2019)

- testing bex queries
- using constant selection in queries
- description of server architecture on which mosaic is built
- cluster monitoring on Apache spark
- setting up meetings with members from other departments

8 Week 8(7.10.2019-11.10.2019)

- fixes and updates to the telephone system
- advances on the customer segmentation project
- using elastic search inside Mosaic
- understanding the way HDBSCAN works and how it helps in clustering
- testing out the results of the customer segmentation

9 Week 9(14.10.2019-18.10.2019)

- finishing touches on telephone system
- changing the objective of ML project
- updating query for an important use case

10 Week 10(21.10.2019-25.10.2019)

- updating old structure to the LSA++ architecture
- telephone system optimization
- new ML use case
- updating query to new structure
- exploratory data analysis on the local product hierarchy

11 Week 11(28.10.2019-01.11.2019)

- Analysis on Data for ML Case
- updating process chains
- updating routines
- clearing log files

12 Week 12(04.11.2019-08.11.2019)

- managing ABAP routines
- intro to Data Intelligence from SAP
- handling Authorization in BeX queries
- further analysis on type of data

13 Week 13(11.11.2019-15.11.2019)

- started working on KPIs for Supply Chain
- finished translating a flow to the LSA++ architecture
- documenting the telephone system to users
- started working on a new flow that has to be translated to LSA++

14 Week 14(18.11.2019-22.11.2019)

- continued working on bringing together the queries for the report
- started moving data in the new architecture
- converted logic from an expert routine to the logic in a view

15 Week 15(25.11.2019-29.11.2019)

- finished getting GDNI to LSA++ architecture
- finished foundation for KPI reports

16 Week 16(02.12.2019-06.12.2019)

- creating hierarchies in Info Objects
- creating new FIFO flow
- researching Azure functions
- currency management in HANA

17 Week 17(09.12.2019-13.12.2019)

- exploring report to report functionality for creating queries
- updating InfoSet
- working with Master Data Queries

18 Week 18(16.12.2019-20.12.2019)

- new ML project
- updating Info Object and transformations

19 Week 19(2.01.2020-10.01.2020)

- Explored solution for multiple warehouses using ML
- created a new flow for the new technology related to warehousing
- tested the new flow
- made a list of process chains that should be removed

20 Week 20(13.01.2020-17.01.2020)

- presented solution for warehouse
- created new query to be jointly used with another
- cleaned out process chains

21 Week 21(20.01.2020-24.01.2020)

- setup of the Azure Platform
- converting SAP tables in SQL
- Azure Data Factory data flows
- Azure CLI and creating environments