

Lavnish Talreja
IT Data Group Intern-
Summer 2020

Introduction:



Name
Title
Major
Minor

Lavnish Talreja
IT data group Intern
Information Management
Data Science



Source: VanEck. Years of experience as of September 30, 2018 (rounded to closest natural number).
EMEA refers to Europe, Middle East and Africa. LATAM refers to Latin America. EME refers to Emerging Markets Equity

Key projects deployed:

Project #1:

Optimizing fund/index daily return flow to Factset. Replacing the legacy workflow to make it easier for Dev Ops to upload one-off reports.

Project #2:

Optimizing Price upload to Portia. Replacing multiple SSIS package-based system to a SQL procedure-based system that helps ease debugging and aids in extensibility of the system.

Project #3:

Extended workflow on Electra reconciliation tool by including details account report along with a summary. Aids the recon team to summarize and ensure required accounts are uploaded into Electra before their daily recon routine starts.

Project #4:

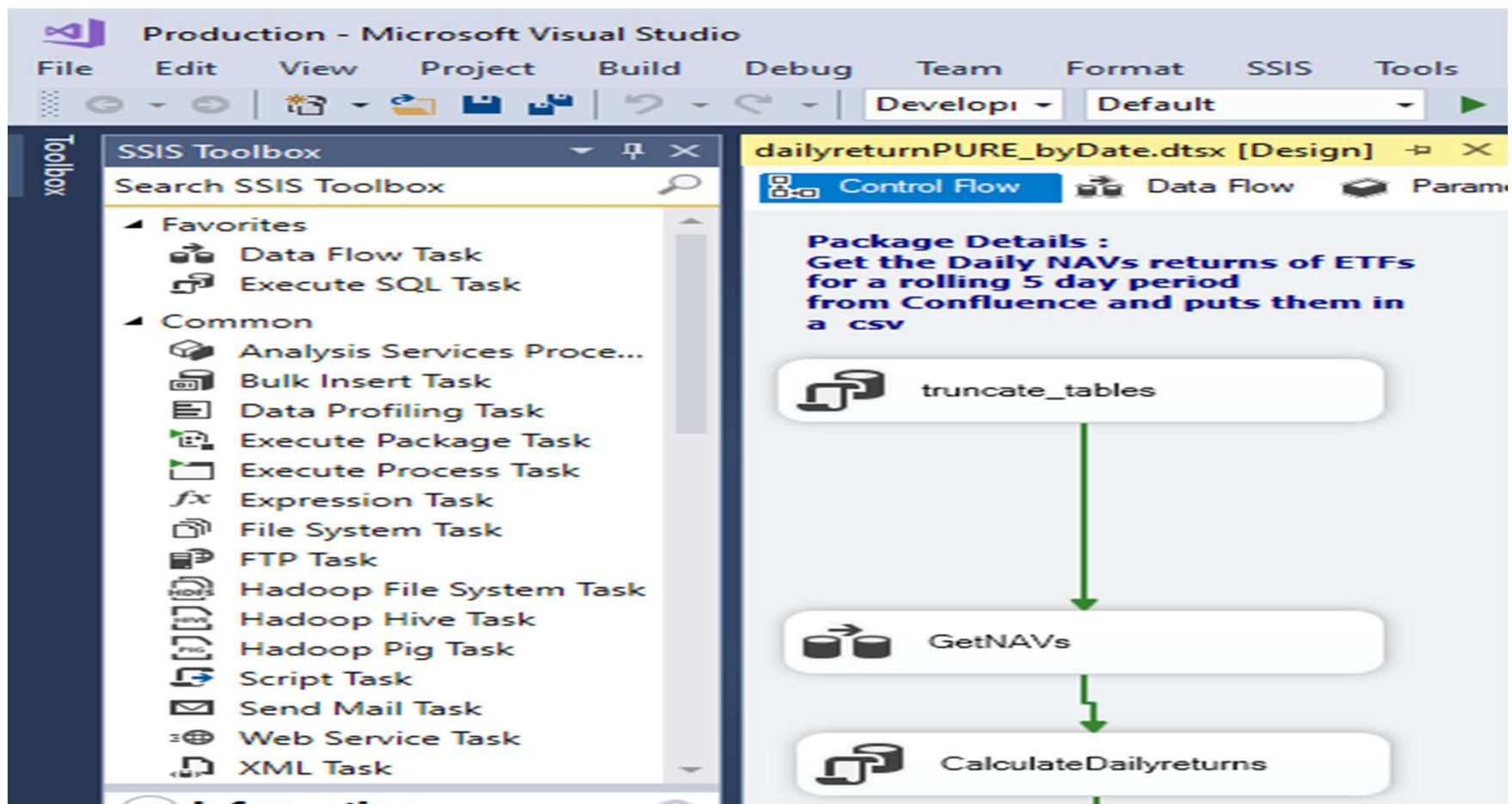
DB connection restoration on MVBTCO index history process. The old project connections were replaced with new SQL listener to aid DB in failover management.

Project #5:

SQL process to monitor Dividends uploads.

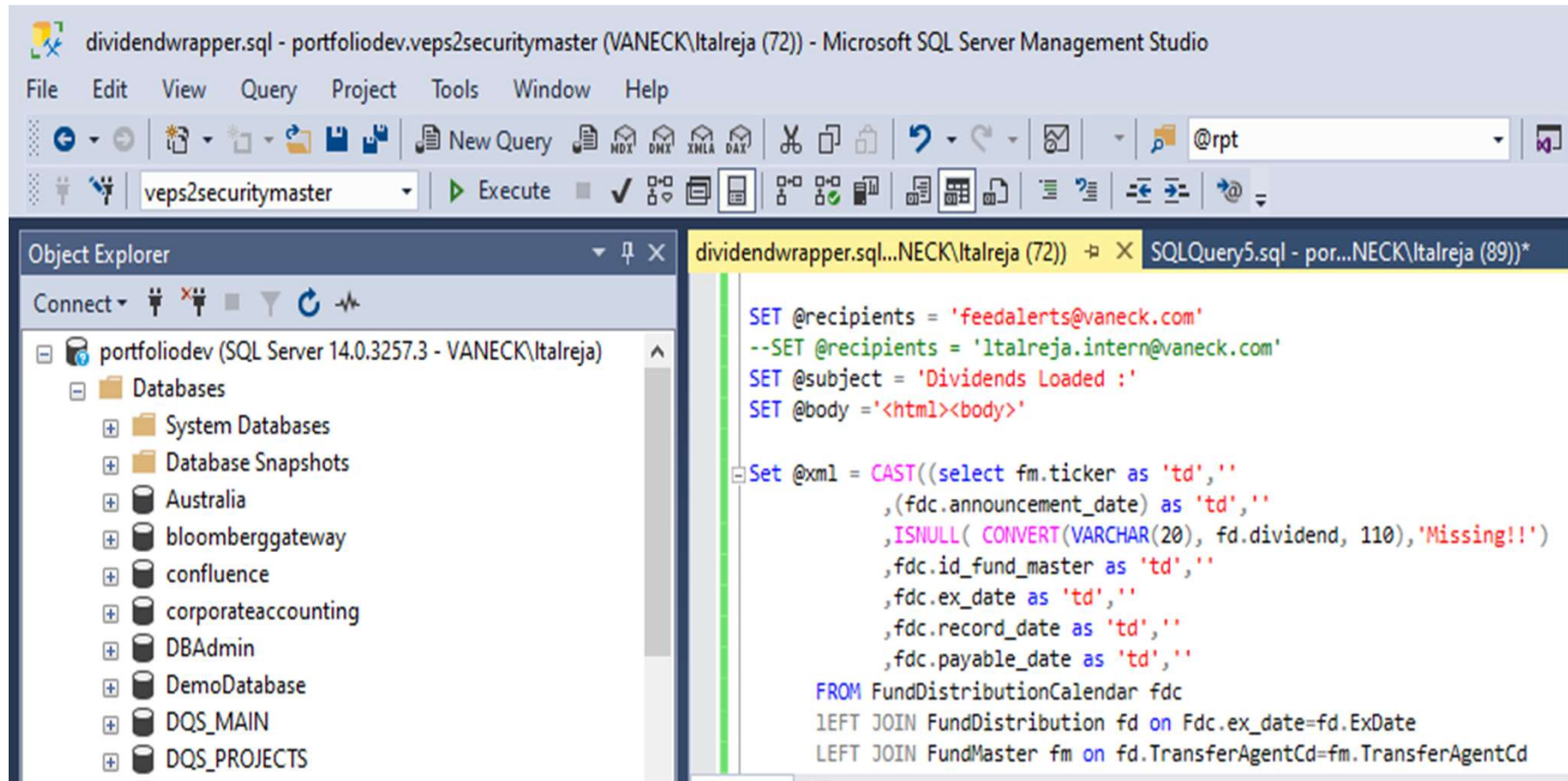
Challenges: Data Warehouse Environment

- Understanding basic finance jargons to perform SQL tasks for simplifying existing processes
- SSIS stopped responding at times because it isn't efficient enough to preview long stored procedure outputs
- Sometimes I did the right thing but couldn't execute my code because of permission access



Learnings: Data Warehouse Environment

- Undertook SSIS training to learn performing ETL operations
- Learned Advanced SQL concepts such as Dynamic SQL, temp tables, CTE's which made my code deliverables more efficient
- Always create a copy of tasks completed and modify the copy if you have to. Never use the same working code(NEVER!)



The screenshot displays the Microsoft SQL Server Management Studio interface. The title bar indicates the current file is 'dividendwrapper.sql' connected to 'portfolio.dev.veps2securitymaster (VANECK\Italreja (72))'. The menu bar includes File, Edit, View, Query, Project, Tools, Window, and Help. The toolbar contains various icons for file operations, query execution, and formatting. The Object Explorer on the left shows the 'portfolio.dev (SQL Server 14.0.3257.3 - VANECK\Italreja)' server with a tree view of databases including System Databases, Database Snapshots, Australia, bloomberggateway, confluence, corporateaccounting, DBAdmin, DemoDatabase, DQS_MAIN, and DQS_PROJECTS. The query editor on the right shows the following SQL code:

```
SET @recipients = 'feedalerts@vaneck.com'
--SET @recipients = 'litalreja.intern@vaneck.com'
SET @subject = 'Dividends Loaded :'
SET @body = '<html><body>'

Set @xml = CAST((select fm.ticker as 'td','
,(fdc.announcement_date) as 'td','
,ISNULL( CONVERT(VARCHAR(20), fd.dividend, 110), 'Missing!!')
,fdc.id_fund_master as 'td','
,fdc.ex_date as 'td','
,fdc.record_date as 'td','
,fdc.payable_date as 'td','
FROM FundDistributionCalendar fdc
LEFT JOIN FundDistribution fd on Fdc.ex_date=fd.ExDate
LEFT JOIN FundMaster fm on fd.TransferAgentCd=fm.TransferAgentCd
```

Business Experience:

Got training in SQL, SSIS, PowerShell



Amazing Lunch and learn sessions covering interesting aspects of American history and Finance



Would like to thank HR team for bolstering virtual interaction through games, resume review and intern hour sessions



Being part of various projects helped me gain valuable experience



Enjoyed being a part of American Workplace culture (virtually)



THANK YOU