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| **DATE & TIME:** | Nov 06, 2019 | **LOCATION:** | Ballston Room 13.103 – 13.105 |
| **APN Immersion Day:** | **Creating Data Lake on AWS** | | |

**AGENDA**

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| **TIME** | **Description** | **Presenter** |
| 8:30am – 9:00am | **BREAKFAST** |  |
| 9:00am – 9:15am | Welcome and Introductions | Adebimpe |
| 9:15am – 9:45am | **Module 1:** Overview of the Data Lake | Adebimpe (Bims) Daniells |
| 9:45am – 10:15am | **PreLab Setup:** Batch Data ingestion with DMS | All SAs |
| 10:15am – 10:45am | **Lab 1:** Batch Data Ingestion with DMS | Adebimpe (Bims) Daniells |
| 10:45am - 11:00am | **BREAK** |  |
| 11:15am - 11:45pm | **Module 2:** Data Transformation & Cataloguing | Triet Lu |
| 11:45am – 12:15pm | **Lab 2:** Transforming data in the Data Lake with Glue | Triet Lu |
| 12:15pm – 1:00pm | **LUNCH – Ask the Architect Office Hour** |  |
| 1:00pm – 1:45pm | **Module 3:** Working within the Data Lake | Triet Lu |
| 1:45pm – 2:15pm | **Lab 3:** Querying the Data Lake with Athena & Quicksight | Triet Lu |
| 2:15pm – 2:30pm | **BREAK** |  |
| 2:30pm – 3:15pm | **Module 4:** Consuming the Data Lake – Reporting, Analytics and Machine Learning | Adebimpe (Bims) Daniells |
| 3:15pm – 3:45pm | **Demo:** From Data Lake to Machine Learning using Amazon SageMaker | Adebimpe (Bims) Daniells |
| 3:45pm – 4:00pm | **BREAK/ Q &A** |  |
| 4:00pm – 4:45pm | **Close-out, Next Steps, and Goodbye** | Triet |