



## **COLLEGE OF COMPUTER AND INFORMATION SCIENCE**

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**Academic Year  
2021-2022**

### **CS Practicum**

### **Final Report**

Prepared By:

JOHN DANIEL VILLAR

Submitted to:  
Leonnel D. De Mesa

## **Practicum Engagement Overview**

### **Accenture ATA Program (AWS Cloud Computing)**

Table 1.0 ATA Program Courses.

Course	Duration
Introduction to the AWS Management Console	1 hour
Introduction to Cloud 101	8 hours
Cloud Support Associate	30 – 40 hours
Application Developer	40 – 50 hours

As shown on table 1.0 above, the ATA Program required me to finish all these four courses. I was introduced to various languages, cloud services, databases, and console commands. In the Introduction to the AWS Management Console. We were taught how to navigate in the AWS using the management console, understand billing considerations, and throughout the video I was able to gain hands-on experience. The Introduction to Cloud focuses more on how AWS is used and how to apply AWS services. In the cloud computing tasks, I did several laboratory exercises on how to use various AWS services such as compute, storage, database, and identity access management. The application developer part focused on various programming languages and the creation of applications for different platforms such as OS specific applications, web, and mobile applications.

## **LinkedIn Learning**

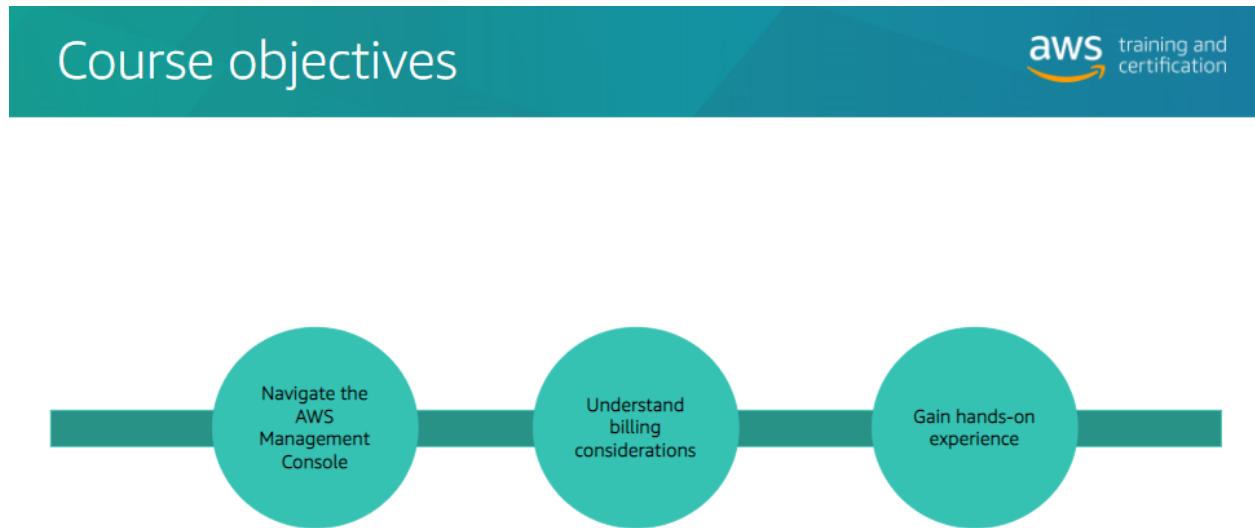
Table 2.0 LinkedIn Learning Modules.

Modules	Required Hours
Learning Design Thinking	2 hours 8 minutes
Develop your Creative Thinking and Innovation Skills Learning	8 hours
Develop Critical Thinking, Decision Making and Problem-Solving Skills	5 hours
Project Management Foundations	3 hours 20 minutes
Become and Agile Project Manager	12 hours
Improve Your UX Design Skills	6 hours 50 minutes
Become a Cloud Developer	9 hours 53 minutes

We were required to finish all of the modules as shown on table 2.0 for the LinkedIn learning path to fulfill the total amount of hours required on our practicum. The LinkedIn learning path is separated into three module groups: Design Thinking Learning Module, Project Management Learning Module, and Specialization Learning Modules.

## Presentation of Output

### Introduction to AWS Management Console



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Figure 1.0 Course Objectives of Introduction to the AWS Management Console

In the AWS Management Console, we were shown all of the list of the AWS services. It is a web application that comprises a broad collection of service consoles for managing AWS resources. These services are grouped into 5 categories: Compute, Storage, Databases, Networking, and Security. I was introduced to each one of these categories. When you first sign in, you see the console home page. The home page provides access to each service console and offers a single place to access the information you need to perform on your AWS related tasks. I also learned how the billing for these services is considered. In the hands-on practice I was tasked to follow the video presentation for using the AWS Management Console.

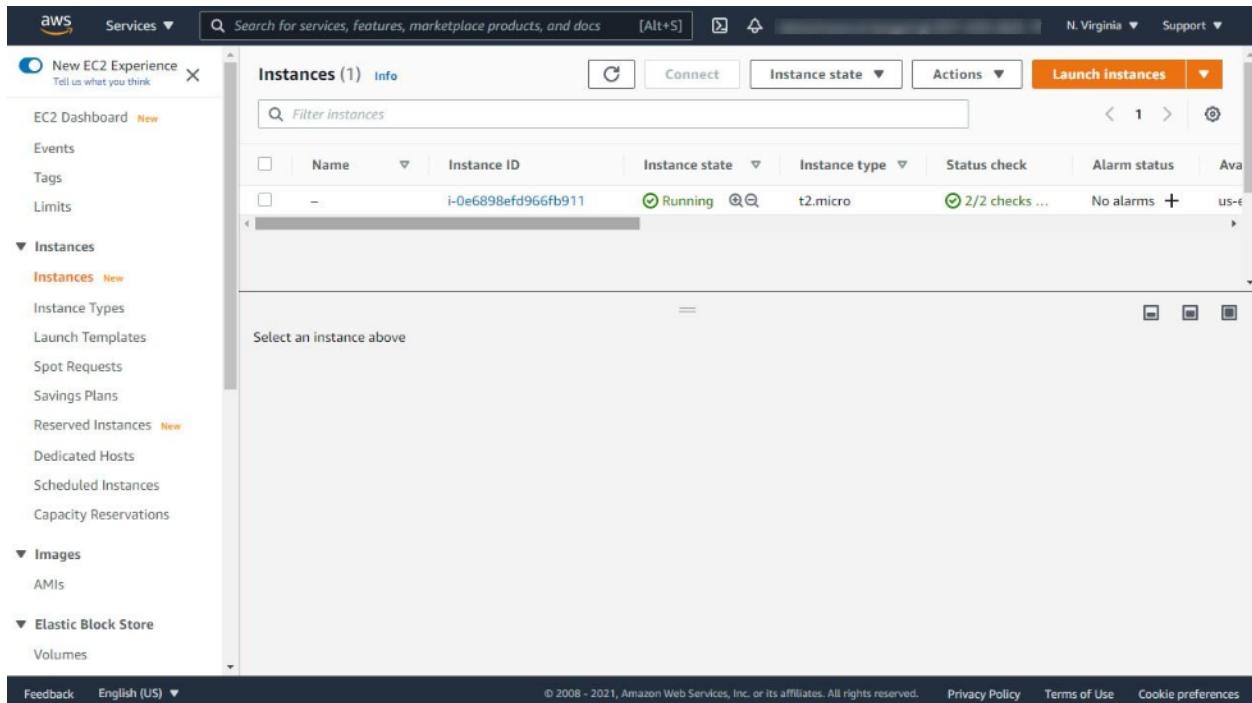


Figure 2.0 Sample hands-on exercise.

In the AWS Management Console hands-on exercise, we were tasked on how to set up an EC2 instance, terminate an EC2 instance as shown on figure 2.0, determine the difference between stopping and termination of an instance, and changing the region.

## Introduction to Cloud 101

The Introduction to Cloud helped me gain knowledge and experience with the cloud fundamentals. I was introduced to Cloud Computing, deployment models, AWS Global infrastructure, and AWS Core services. Throughout this course I was also able to practice AWS services in a laboratory environment on the web. I was tasked to fulfill 7 hands-on exercises: Amazon S3, Amazon EC2, Amazon DynamoDB, Creation of Amazon RDS Database, Creating Private Virtual Cloud, IAM and Hosting of Static websites. The first hands-on exercise was about the Amazon S3 bucket. Amazon S3 bucket is a

cloud storage service used to store and analyze data in the Amazon Cloud. I was tasked there to Create an instance of a bucket, then adding files on that bucket, managing access permissions for the bucket, creating bucket policies, and usage of bucket versioning. The second hands-on exercise is about the Amazon EC2, where I was tasked to launch a web server, monitoring of EC2 instances, modification of security groups, scaling EC2 instances, exploration of EC2 limits, testing of termination protection, and termination of EC2 instances. The third hands-on exercise is about Amazon DynamoDB. Amazon DynamoDB is a fully managed, serverless, key-value NoSQL database designed to run high-performance applications at any scale. I was tasked to create a DynamoDB table, enter data into that table, query data on the table, and delete tables. The fourth hands-on exercise is about the Creation of Amazon RDS Database. RDS is a relational database hosted on amazon cloud platform, there I was tasked to to launch an instance of Amazon RDS and configuration of web application to connect to the database instance. The fifth hands-on exercise is the Creation of a Virtual private cloud. I was tasked there to deploy a VPC, create an internet gateway and attach it to the VPC, create a public subnet, create a private subnet, and create an application server to test the VPC. The sixth hands-on exercise is the IAM. AWS Identity and Access Management (IAM) is a web service that helps you securely control access to AWS resources. You use IAM to control who is authenticated and authorized to use resources. I was tasked to explore IAM users and groups, inspect IAM policies, adding users to groups, locating using the IAM sign in URL, and experimenting on the effects of policies on service access. The last hands-on exercise is Hosting a static website on Amazon S3, where I was tasked to host a static website provided by the AWS Educate to the Amazon S3 bucket, Upload its contents and Update the website.

## **Cloud Support Engineer**

In this part of the module, I learned what a Cloud support engineer is and what are the careers for a Cloud Engineer. Cloud Support Engineer requires a wide range of technical knowledge, from operating systems to web applications. The topics on this course are: Operating System and Virtualization, Network Architecture, Programming Languages, and Security. On this course I was only tasked to watch videos linked from the module, have a final exam, and answer some quizzes. I would say that this course is a big loss compared to the two first courses, there were no interactions from the students and you just have to watch videos linked from youtube unlike the first two courses and it was boring, but overall it was still a great video and I learned alot from it.

## **Application Developer**

In this course I was able to explore Devops, Scripting Languages, and Operating Systems. The topics for this course are: Application Architecture and Devops, Programming and Scripting Languages, Web and Mobile Development, Data Structure and Types, and Operating Systems and Virtualization. This course is the same with Cloud Support Engineer, it was composed of related materials needed to watch from youtube and a bunch of quizzes and a final exam.

## **LinkedIn Learning**

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COURSE  
**Project Management Foundations**  
in LinkedIn Learning · By: Bonnie Biafore · Jun 2019  
Completed 6/3/2022

... Share



COURSE  
**Problem Solving Techniques**  
in LinkedIn Learning · By: Chris Croft · Apr 2017  
Completed 6/2/2022

... Share



LEARNING PATH  
**Develop Critical-Thinking, Decision-Making, and Problem-Solving Skills**  
in LinkedIn Learning · May 2020  
Completed 6/2/2022

... Share

Figure 3.0 LinkedIn Learning Completed Courses

The image shown above on Figure 3.0 are just some of the courses I have completed under the LinkedIn learning. LinkedIn Learning is an online educational platform that helps you discover and develop business, technology-related, and creative skills through expert-led course videos. Under the LinkedIn learning path, I was tasked to finish all of the courses shown on table 2.0, the courses consisted of videos that you need to finish and each of these courses have their own quizzes and exams after you have finished watching them.

Question 5 of 9

Which statement "shuts down opportunity"?

How can we focus on the customer's experience?

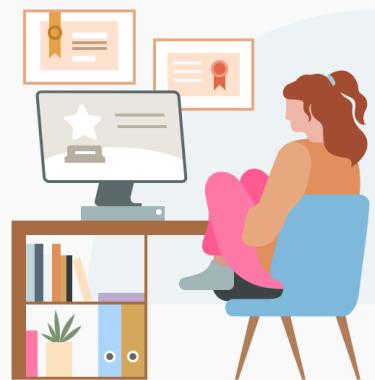
"We need to engage everyone's skills."

"The CEO will never go for that."  
**Correct**  
Consider paying attention to statements like these, as they limit the potential of the team. This is an important example of asking "what if?".

"The customer is always right."

[Next question](#)

Figure 4.0 Quiz Questionnaire under Learning Design Thinking.



You answered 9 of 9 questions correctly.  
You successfully completed all questions in this quiz.

[Review all answers](#) [Continue watching](#)

Figure 5.0 Successful Prompt after taking quiz

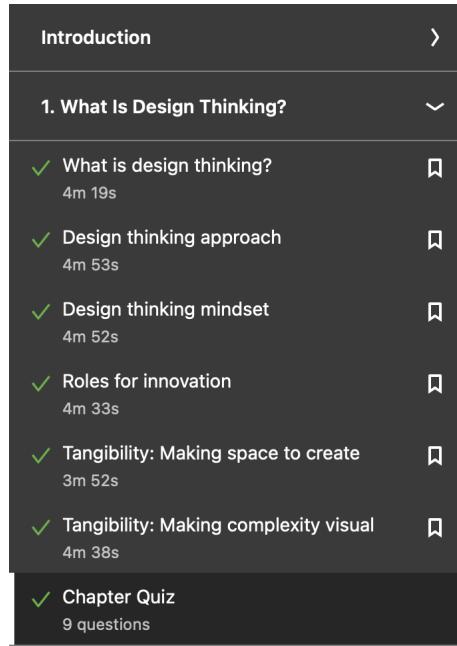


Figure 6.0 Chapter Summary.

This image shown above on Figure 4.0 is one of the quizzes on LinkedIn learning. After each chapter of the video, a quiz will appear and I am tasked to finish all of it. After taking and passing the quiz I was prompted a success message showing the total score of the taken quiz as shown on figure 5.0. After passing and watching the videos on each chapter, the Summary panel shown on figure 6.0 will show a list of finished parts on the course to keep track on which is finished.

## Appendices



**JOHN DANIEL VILLAR**

### PERSONAL SKILLS

- Quick learner
- Ability to work as a part of a team
- Basic hardware and software troubleshooting

### SKILLS

- Thorough knowledge in using latest .NET Core frameworks using C# language (Web, REST API's)
- Thorough knowledge in using java in creating mobile applications using Android Studio
- Basic knowledge in Angular and typescript in creating SPA's (Single Page Applications)
- Thorough knowledge in using MySql and Sql Databases through Xampp and SqlServer

### EDUCATION

BS IN COMPUTER SCIENCE • 2014 - PRESENT • MALAYAN COLLEGES LAGUNA

### THESIS

Sentiment Analysis of Online Shopping Reviews using Hybrid Algorithm

### SEMINARS

- Utilizing UX to Build Better IT Solution (2021)



JOHDANIELVILLAR123  
@GMAIL.COM



0908-179-8682



HTTPS://GITHUB.COM/J  
OHNVILLAR41

Appendix A. Competency Based CV



campus-recruitment <campus-recruitment@accenture.com>  
to Dimple, Raine, mdpabiania@mcl.edu.ph ▾



## Accenture Technology Academy

Thank you for enrolling at **Accenture Technology Academy**. This is to confirm that you have been granted access to **ATA Amazon Web Services**. Start by following the instructions in the attached User Guide on creating your account and accessing the courses.

For your reference, below is the **ATA AWS Curriculum**.

### Amazon Web Services (AWS)

Course	Description	Duration
Application Developer	An Application Developer creates or writes programs for a particular operating system (i.e., Windows, Mac OS X or UNIX), the web or a device.	50h
Introduction to Cloud 101	The goal of this course is to set a foundation for cloud knowledge and help you decide where to take your learning next.	8h
	This course will help you gain knowledge and experience with cloud fundamentals.	
Cloud Support Associate	Cloud Support Associates use their expertise in cloud computing and AWS solutions to answer customer questions and solve technology challenges every day. If you're curious, excited by the future of cloud computing, and enjoy working directly with customers.	40h

Take advantage of this opportunity to get all the knowledge you need to grow your skills and prepare for your future career in technology. We encourage you to finish these courses by **June 30, 2022**. For questions or concerns, reach out to your faculty POCs – **Ms. Maribelle Pabiania**, [mdpabiania@mcl.edu.ph](mailto:mdpabiania@mcl.edu.ph)

Campus Recruitment Team  
**Accenture** in the Philippines

## Appendix B. Practicum Acceptance



Malayan Colleges Laguna  
A MAPÚA SCHOOL



College of Computer  
and Information Science  
Malayan Colleges Laguna

## IT PRACTICUM X LEARNING PATH PROPOSAL

COMPLETE NAME : VILLAR, JOHN DANIEL DC.  
STUDENT NUMBER : 2014108202

PROGRAM: CS

### IDENTIFIED LEARNING MODULES

#### A. Accenture Inc – ATA

1. AWS Curriculum (*Total Engagement Hours: 100 hours Total Credit Hours: 120 hours*)
  - a. Introduction to the AWS Management Console (1h)
  - b. Introduction to Cloud 101 (9h)
  - c. Cloud Support Associate (40h)
  - d. Application Developer(50h)

#### B. Required Learning Modules

1. Design Thinking Learning Module (*Total Engagement Hours: 15 hours Total Credit Hours: 45 hours*)
  - a. Learning Design Thinking: Lead Change in Your Organization by Turi McKinley (2h 8m)
  - b. Develop Your Creative Thinking and Innovation Skills Learning Path 8 courses (8h)
  - c. Develop Critical-Thinking, Decision-Making, and Problem-Solving Skills 6 courses (5h)
2. Project Management Learning Module (*Total Engagement Hours: 15 hours Total Credit Hours: 45 hours*)
  - a. Project Management Foundations by Bonnie Biafore (3h 20m)
  - b. Become an Agile Project Manager Learning Path 9 courses (12h)

#### C. Specialization Learning Modules

1. User Experience (*Total Engagement Hours: 7 Total Credit Hours: 21 hours*)
  - a. Improve Your UX Design Skills (6h 50m)
2. Cloud Computing (*Total Engagement Hours: 10 hours Total Credit Hours: 30 hours*)
  - a. Become a Cloud Developer (9h 53m)

#### PREPARED BY:

JOHN DANIEL VILLAR 04-16-2022  
Signature over Printed Name / Date

#### APPROVED BY:

L. D. de Mesa 04-18-22  
Signature over Printed Name / Date

Mapúa Institute of Technology at Laguna · College of Computer and Information Science · E.T. Yuchengco College of Business · Mapúa-PTC College of Maritime Education and Training  
College of Arts and Science · Institute for Excellence in Continuing Education and Lifelong Learning · MCL Senior High School

Address : Cabuyao, Laguna 4025  
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Fax : +63 (49) 832-0017, +63 (2) 520-8975  
Email : mclinfo@mcl.edu.ph

[www.mcl.edu.ph](http://www.mcl.edu.ph) MalayanColleges MalayanLaguna

## Appendix C. Training Plan



REVISION NO.:	00
REVISION DATE:	May 10, 2016

## DAILY JOURNAL

## **IMPORTANT INFORMATION**

- INCLUDE TASK ASSIGNMENTS OR MOVEMENTS, REFLECTION ON THE DAY'S NEW LEARNING, ACCOMPLISHMENT, CHALLENGES FACED AND HOW YOU RESPONDED, OBSERVATIONS AND RECOMMENDATIONS ON THE IMPROVEMENT OF SYSTEMS / OPERATION / MANAGEMENT, ETC.
  - SCANNED COPIES OF THIS FORM SHALL BE SUBMITTED ON A WEEKLY BASIS THROUGH APPROVED LMS.
  - HARD COPIES OF THIS FORM SHOULD BE COMPILED AS PART OF THE STUDENT'S PORTFOLIO.

DATE	April 1 2022 - April 8 2022	AREA ASSIGNMENT	
TASK	Setup ATA Accenture Program	SHIFT/TIME	9am - 5pm

The first week of classes started by filling up the registration forms for the ATA internship program. These forms were then submitted through email, I also attended the webinars hosted by the Accenture team on Zoom, then I finalized the resume requirement needed to be passed for the ATA program and finally, I got accepted on the Accenture Internship program.

**ANSWER** The answer is 1000.

**TRAINEE'S SIGNATURE**



REVISION NO.:	00
REVISION DATE:	May 10, 2016

## DAILY JOURNAL

## **IMPORTANT INFORMATION**

- INCLUDE TASK ASSIGNMENTS OR MOVEMENTS, REFLECTION ON THE DAY'S NEW LEARNING, ACCOMPLISHMENT, CHALLENGES FACED AND HOW YOU RESPONDED, OBSERVATIONS AND RECOMMENDATIONS ON THE IMPROVEMENT OF SYSTEMS / OPERATION / MANAGEMENT, ETC.
  - SCANNED COPIES OF THIS FORM SHALL BE SUBMITTED ON A WEEKLY BASIS THROUGH APPROVED LMS.
  - HARD COPIES OF THIS FORM SHOULD BE COMPILED AS PART OF THE STUDENT'S PORTFOLIO.

DATE	April 11 2022 - April 15 2022	AREA ASSIGNMENT	
TASK	ATA Accenture Program	SHIFT/TIME	9am - 5pm

I tackled the first topic on AWS which is "Introduction to the AWS Management Console". This topic introduced me to AWS CLI(Command line interface), power shell tools, Amazon EC2 AMI Tools and many more. We even had hands-on laboratory exercises which consists of the real world CLI for AWS. The overall experience for the learning process for the first topic was amazing, every exercise and topic was taught well, and the way of learning is very enjoyable.

**ANSWER** The answer is 1000.

**TRAINEE'S SIGNATURE**



REVISION NO.:	00
REVISION DATE:	May 10, 2016

## DAILY JOURNAL

## **IMPORTANT INFORMATION**

- INCLUDE TASK ASSIGNMENTS OR MOVEMENTS, REFLECTION ON THE DAY'S NEW LEARNING, ACCOMPLISHMENT, CHALLENGES FACED AND HOW YOU RESPONDED, OBSERVATIONS AND RECOMMENDATIONS ON THE IMPROVEMENT OF SYSTEMS / OPERATION / MANAGEMENT, ETC.
  - SCANNED COPIES OF THIS FORM SHALL BE SUBMITTED ON A WEEKLY BASIS THROUGH APPROVED LMS.
  - HARD COPIES OF THIS FORM SHOULD BE COMPILED AS PART OF THE STUDENT'S PORTFOLIO.

DATE	April 18 2022 - April 22 2022	AREA ASSIGNMENT	
TASK	ATA Accenture Program	SHIFT/TIME	9am - 5pm

In the third week of the AWS learning program, I tackled the topic "Introduction to Cloud 101".

In this topic I learned about infrastructure services which AWS provides, computing power, storage options, networking and both sql and non-sql databases used on the cloud.

It also includes the pricing for these types of services. I was fascinated by the topics on the cloud excluding the topic on pricing on different types of services, but overall the learning experience was amazing.

In the third week of the AWS learning program, I tackled the topic "Introduction to Cloud 101". In this topic I learned about infrastructure services which AWS provides, computing power, storage options, networking and both sql and non-sql databases used on the cloud. It also includes the pricing for these types of services. I was fascinated by the topics on the cloud excluding the topic on pricing on different types of services, but overall the learning experience was amazing.

**ANSWER** The answer is 1000.

**TRAINEE'S SIGNATURE**



REVISION NO.:	00
REVISION DATE:	May 10, 2016

## DAILY JOURNAL

## **IMPORTANT INFORMATION**

- INCLUDE TASK ASSIGNMENTS OR MOVEMENTS, REFLECTION ON THE DAY'S NEW LEARNING, ACCOMPLISHMENT, CHALLENGES FACED AND HOW YOU RESPONDED, OBSERVATIONS AND RECOMMENDATIONS ON THE IMPROVEMENT OF SYSTEMS / OPERATION / MANAGEMENT, ETC.
  - SCANNED COPIES OF THIS FORM SHALL BE SUBMITTED ON A WEEKLY BASIS THROUGH APPROVED LMS.
  - HARD COPIES OF THIS FORM SHOULD BE COMPILED AS PART OF THE STUDENT'S PORTFOLIO.

DATE	April 25 2022 - April 29 2022	AREA ASSIGNMENT	
TASK	ATA Accenture Program	SHIFT/TIME	9am - 5pm

In the fourth week, I have tackled Cloud Support Engineer(CSE) in AWS. The modules on CSE is pretty broad.

It consists of the topics: Introduction to cloud, Platforms used on AWS, Networking, Software development, and Security. The role for a CSE requires a wide range of knowledge, that is why we were introduced to these many topics.

The topics circled from operating systems to web applications and in terms programming languages we learned more about javascript.

**ANSWER** The answer is 1000.

**TRAINEE'S SIGNATURE**

COPY: (1) STUDENT; (2) PRACTICUM ADVISER

FORM OVPAA 030G

THIS FORM IS AVAILABLE AT THE OVPA.



REVISION NO.: 00  
REVISION DATE: May 10, 2016

## DAILY JOURNAL

### IMPORTANT INFORMATION

- INCLUDE TASK ASSIGNMENTS OR MOVEMENTS, REFLECTION ON THE DAY'S NEW LEARNING, ACCOMPLISHMENT, CHALLENGES FACED AND HOW YOU RESPONDED, OBSERVATIONS AND RECOMMENDATIONS ON THE IMPROVEMENT OF SYSTEMS / OPERATION / MANAGEMENT, ETC.
- SCANNED COPIES OF THIS FORM SHALL BE SUBMITTED ON A WEEKLY BASIS THROUGH APPROVED LMS.
- HARD COPIES OF THIS FORM SHOULD BE COMPILED AS PART OF THE STUDENT'S PORTFOLIO.

DATE	May 02 2022 - May 06 2022	AREA ASSIGNMENT	
TASK	ATA Accenture Program	SHIFT/TIME	9am - 5pm

Started on doing the Application Developer Course

I learned scripting languages like python and javascript, Web, Mobile and Gaming

Also Databases both relational and non relational databases. After learning and watching

all the videos and answering the knowledge checks, I have passed the final exam.

[Large blank area for journal entries, consisting of 10 horizontal lines for writing.]

[Large rectangular box for trainee's signature]

TRAINEE'S SIGNATURE



REVISION NO.:	00
REVISION DATE:	May 10, 2016

## DAILY JOURNAL

## **IMPORTANT INFORMATION**

- INCLUDE TASK ASSIGNMENTS OR MOVEMENTS, REFLECTION ON THE DAY'S NEW LEARNING, ACCOMPLISHMENT, CHALLENGES FACED AND HOW YOU RESPONDED, OBSERVATIONS AND RECOMMENDATIONS ON THE IMPROVEMENT OF SYSTEMS / OPERATION / MANAGEMENT, ETC.
  - SCANNED COPIES OF THIS FORM SHALL BE SUBMITTED ON A WEEKLY BASIS THROUGH APPROVED LMS.
  - HARD COPIES OF THIS FORM SHOULD BE COMPILED AS PART OF THE STUDENT'S PORTFOLIO.

DATE	May 09 2022 - May 13 2022	AREA ASSIGNMENT	
TASK	Linked in Learning Modules	SHIFT/TIME	9am - 5pm

I started on doing LinkedIn Courses and on each day I targeted that I finish at least one of the LinkedIn courses.

On the first 3 days of the week I have finished all of the modules under required learning modules, and on the next 3 days I finished project management modules, then on the last day I finished the specialization modules.

**ANSWER** The answer is 1000.

**TRAINEE'S SIGNATURE**

COPY: (1) STUDENT: (2) PRACTICUM ADVISER

FORM OVPAA 030G

THIS FORM IS AVAILABLE AT THE OVPAA.

## Appendix D. List of Daily Journals



[Additional Details](#)

## AWS Educate Introduction to Cloud 101

Issued by [Amazon Web Services Training and Certification](#)

Earners of this badge have completed the Cloud Computing 101 training and achieved the required scores on the post-course assessment. They have demonstrated the ability to create simple cloud applications in a virtual lab environment. They have shown a fundamental understanding of AWS cloud core services and understand the technical roles required for cloud success.

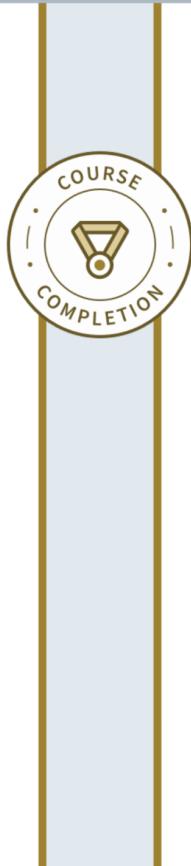
### Skills

[Amazon Web Services \(AWS\)](#)

[AWS Cloud](#)

[AWS Cloud Computing](#)

[Cloud Foundations](#)



LinkedIn LEARNING

Certificate of Completion  
Congratulations, John Daniel Villar

**Learning Design Thinking: Lead Change  
in Your Organization**

Course completed on May 27, 2022 at 12:51AM UTC • 2 hours 8 min

By continuing to learn, you have expanded your perspective, sharpened your skills, and made yourself even more in demand.

Head of Content Strategy, Learning

LinkedIn Learning  
1000 W Maude Ave  
Sunnyvale, CA 94085

Certificate Id: ARiskW6m0TasSVMICMA55ZBaAkCf



in LEARNING

## Certificate of Completion

Congratulations, John Daniel Villar

### Develop Your Creative Thinking and Innovation Skills

Learning Path completed on May 07, 2022 at 05:00AM UTC • 8 hours 25 min

By continuing to learn, you have expanded your perspective, sharpened your skills, and made yourself even more in demand.

#### Top skills covered

Organizational Leadership, Creativity Skills, Innovation Management, Collaborative Innovation

A handwritten signature in black ink.

Head of Content Strategy, Learning

LinkedIn Learning  
1000 W Maude Ave  
Sunnyvale, CA 94085

Certificate Id: Ae1y9H4PmliHbzfVerr-XURvbvSb



in LEARNING

## Certificate of Completion

Congratulations, John Daniel Villar

### Develop Critical-Thinking, Decision-Making, and Problem-Solving Skills

Learning Path completed on Jun 02, 2022 at 11:26AM UTC • 4 hours 52 min

By continuing to learn, you have expanded your perspective, sharpened your skills, and made yourself even more in demand.

#### Top skills covered

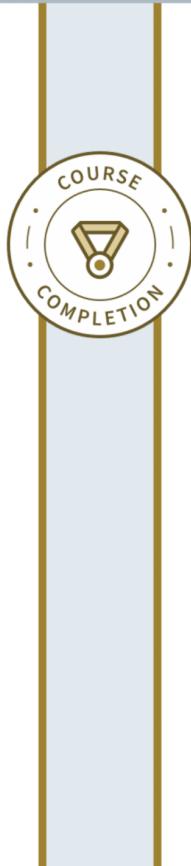
Problem Solving, Critical Thinking, Decision-Making

A handwritten signature in black ink that reads "Dan Boddy".

Head of Content Strategy, Learning

LinkedIn Learning  
1000 W Maude Ave  
Sunnyvale, CA 94085

Certificate Id: ASenxUfRjgJ8dYANcatmlCNscdpR



**LinkedIn** LEARNING

## Certificate of Completion

Congratulations, John Daniel Villar

### Project Management Foundations

Course completed on Jun 03, 2022 at 12:39AM UTC • 3 hours 20 min

By continuing to learn, you have expanded your perspective, sharpened your skills, and made yourself even more in demand.

Head of Content Strategy, Learning

LinkedIn Learning  
1000 W Maude Ave  
Sunnyvale, CA 94085

Certificate Id: AVDb7Fx2-tMH3ffJgiGLwgYdsqK



in LEARNING

## Certificate of Completion

Congratulations, John Daniel Villar

### Become an Agile Project Manager

Learning Path completed on May 21, 2022 at 04:57AM UTC • 10 hours 34 min

By continuing to learn, you have expanded your perspective, sharpened your skills, and made yourself even more in demand.

#### Top skills covered

Project Management, Microsoft Project, Agile Project Management

A handwritten signature in black ink that reads "Dan Boddy".

Head of Content Strategy, Learning

LinkedIn Learning  
1000 W Maude Ave  
Sunnyvale, CA 94085

Certificate Id: AU7zE-Kq4Ur96SWn0ESgUxblVCfd



LEARNING

## Certificate of Completion

Congratulations, John Daniel Villar

### Become a Cloud Developer

Learning Path completed on May 14, 2022 at 11:57PM UTC • 10 hours 10 min

By continuing to learn, you have expanded your perspective, sharpened your skills, and made yourself even more in demand.

#### Top skills covered

Software Development, Cloud Development, Google Cloud Platform (GCP), Cloud Computing

A handwritten signature in black ink that reads "Dan Bolante".

Head of Content Strategy, Learning

LinkedIn Learning  
1000 W Maude Ave  
Sunnyvale, CA 94085

Certificate Id: AecEJz167Hms-fqyMHyt2tSAyyz8

### Appendix E. List of Certifications