



**MSIB**  
magang dan studi Independen bersertifikat

**Kampus Merdeka**  
INDONESIA JAYA

**Cendekiawan**

# David Kurnia Rahman

has been awarded a **CERTIFICATE OF ACHIEVEMENTS**

in the **Cendekiawan - AWS Cloud Data Engineer**

**And Gen AI Track Powered By RevoU**

as part of Studi Independen Bersertifikat (SIB) supported by Kampus Merdeka

16 February 2024 - 30 June 2024 with final grade of

**94 out of 100 (A)**



Matteo Sutto  
CEO & Co-Founder



Jane Auditya  
Program Manager



# CENDEKIAWAN - AWS CLOUD DATA ENGINEER AND GEN AI TRACK POWERED BY REVOU

Name: David Kurnia Rahman  
Student ID: 8351387

|                    |           |
|--------------------|-----------|
| <b>Final Score</b> | <b>94</b> |
|--------------------|-----------|

| Conversion | Score    |
|------------|----------|
| A          | 80 - 100 |
| B          | 70 - 79  |
| C          | 60 - 69  |
| D          | 40 - 59  |
| E          | < 40     |

| Activity                                         | Score            | Hours | Time Allocation                                                                                                                                                                                   | Learning Outcomes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------|------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Introduction to Data Analytics</b>            | <b>90/100</b>    | 300   | 1. Self Study: 175 hours<br>2. Lecture: 50 hours<br>3. Weekly Assignment: 5 hours<br>4. Group Discussion: 35 hours<br>5. Mentoring: 12 hours                                                      | 1. Understand the general structure of data environments<br>2. Understand how to prioritize business problems to focus on<br>3. Understand the data cleaning process<br>4. Understand data processing using SQL                                                                                                                                                                                                                                                                                  |
| <b>AWS Cloud and Data Warehouse</b>              | <b>90/100</b>    | 250   | 1. Self-Study: 160 hours<br>2. Gamification: 40 hours<br>3. AWS Labs: 8 hours<br>4. Bi-weekly Assignment: 2 hours<br>5. Group Discussion: 20 hours<br>6. Mentoring: 20 hours                      | 1. Understand the general concept of AWS cloud, AWS services, security, architecture, benefits, and support in building AWS cloud technology<br>2. Understand basic AWS services and common solutions developed in the cloud, and the ability to identify appropriate AWS services<br>3. Understand the process of collecting, storing, and preparing data for data warehousing using Amazon services like Amazon Redshift                                                                       |
| <b>Databases on AWS</b>                          | <b>100/100</b>   | 100   | 1. Self-Study: 60 hours<br>2. Lecture: 20 hours<br>3. AWS Labs 8 hours<br>4. Bi-weekly Assignment: 2 hours<br>5. Group discussion: 4 hours<br>6. Mentoring: 6 hours                               | 1. Understand the concepts of building a database on AWS<br>2. Understand the concepts, benefits, and processes of migrating legacy databases to cloud-native databases and identify factors to consider during migration<br>3. Understand AWS database services and relational database concepts in the cloud through Amazon RDS for PostgreSQL<br>4. Understand the process of setting up, configuring, and managing Amazon RDS services and building modern apps with Purpose-Built Databases |
| <b>Data Visualization and Data Communication</b> | <b>100 / 100</b> | 200   | 1. Self Study: 80 hours<br>2. Lecture: 10 hours<br>3. Gamification: 30 hours<br>4. AWS Labs: 26 hours<br>5. Weekly Assignment: 4 hours<br>6. Group Discussion: 20 hours<br>7. Mentoring: 20 hours | 1. Understand the concepts and basics of data visualization and related tools like Amazon Quicksight<br>2. Understand the concepts and utilization of Amazon Quicksight cloud-based data visualization services and configure and manage them simply<br>3. Understand the process of building Business Intelligence (BI) dashboards using Amazon Quicksight services                                                                                                                             |
| <b>Generative AI</b>                             | <b>90/100</b>    | 50    | 1. Self-Study: 15 hours<br>2. Gamification: 15 hours<br>3. AWS Labs: 6 hours<br>4. Bi-Weekly Assignment: 2 hours<br>5. Group Discussion: 6 hours<br>6. Mentoring: 6 hours                         | 1. Intro to GenAI<br>2. Building Language Models on AWS<br>3. Building a Generative AI-Ready Organization<br>4. Getting Started with Amazon Bedrock<br>5. Planning a Generative AI Project<br>6. Getting Started with Amazon Codewhisperer<br>7. Building a question-answering bot using GenAI                                                                                                                                                                                                   |