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| OFFICE OF APPRENTICESHIP  BULLETIN | **NO.**  2024-126 |
| **DATE**  August 29, 2024 |

**TO:** NATIONAL APPRENTICESHIP SYSTEM STAKEHOLDERS

OFFICE OF APPRENTICESHIP STAFF

STATE APPRENTICESHIP AGENCIES

**FROM:** JOHN V. LADD /s/

Administrator, Office of Apprenticeship

**SUBJECT:** New Apprenticeable Occupation: Database Architect

1. **Purpose.** To inform the staff of OA, State Apprenticeship Agencies (SAA), Registered Apprenticeship program sponsors, and other Registered Apprenticeship partners of the following new apprenticeable occupation: Database Architect
2. **Action Requested.** OA staff should familiarize themselves with this bulletin and the attached Work Process Schedule and Related Instruction Outline, as a source for developing apprenticeship standards and/or providing technical assistance.

Database Architect will be added to the List of Occupations Recognized as Apprenticeable by OA located on www.apprenticeship.gov. A suggested Work Process Schedule and Related Instruction Outline are attached.

1. **Summary and Background.**
   1. Summary – The occupation Database Architect was submitted by Gene Ellis, Consultant/Senior SME, on behalf of Safal Partners, LLC, were processed by Kirk Jefferson and approved by the OA Administrator on August 19, 2024.
   2. Background –

***New/Revised Occupation Background -*** Under 29 CFR section 29.4, an occupation for a RAP must meet the following criteria to be determined apprenticeable:

1. Involve skills that are customarily learned in a practical way through a structured, systematic program of on-the job supervised learning:
2. Be clearly identified and commonly recognized throughout an industry;
3. Involve the progressive attainment of manual, mechanical, or technical skills and knowledge which, in accordance with the industry standard for the occupation, would require the completion of at least 2,000 hours of on-the-job learning to attain; and
4. Require related instruction to supplement the on-the job learning.

1. **New Apprenticeable Occupation.** The occupation Database Architect was submitted for an apprenticeability determination.

Database Architect

O\*NET-SOC CODE: 15-1243.00

RAPIDS Code: 3083

Type of Training: Time-based, Hybrid, Competency-based

Term Length: Time-based 2000, Hybrid 2,000 – 4,000, Competency-based 1 Year

Database Architect perform the following duties:

* + Design database applications, such as interfaces, data transfer mechanisms, global temporary tables, data partitions, and function-based indexes to enable efficient access of the generic database structure;
  + Identify and evaluate industry trends in database systems to serve as a source of information and advice for upper management; and
  + Write and code logical and physical database descriptions, and specify identifiers of database to management system or direct others in coding descriptions.

1. **Inquiries.** If you have any questions, please, contact Kirk Jefferson, Apprenticeship & Training Representative at 202-693-3399.
2. **Attachments.**

