Data Integration Architect

highheredjobs.com/search/details.cfm

Current Employees: If you are currently employed at any of the Universities of Wisconsin, log in to Workday to apply through the internal application process.

Position Title:
Data Integration Architect

Job Category:
Academic Staff

Employment Type:
Terminal (Fixed Term)

Job Profile:
Software Eng/Developer III

Job Duties:

Position Summary Statement

Data Integration Architect (Software Engineer /Developer III) reports to the Director of Enterprise Information Systems.

The position has a pivotal role in the integration of enterprise systems, including Peoplesoft Campus Solutions, Workday, BP Logix, Transact, Stellic, and others. The developer collaborates closely with functional stakeholders, vendors, and Learning and Information Technologies (LIT) teams to build and maintain, secure, efficient, and scalable enterprise solutions.

Essential Job Functions and Responsibilities

Performs comprehensive data integration across various enterprise systems, as well as operations, academic, research, and auxiliary/third-party systems utilized throughout the University.

Ensures efficient, accurate and secure data exchange between SIS, CRM, Finance, HR, LMS, data warehouses, and other UW-System, campus and third-party vendors.

Implements and supports data cleaning, validation techniques, creating test plans, and audits to maintain high-quality, accurate data.

Writes complex queries, procedures, and scripts to support data retrieval, transformation, and processing needs.

Ensures data systems adhere to privacy regulations (e.g., FERPA) and institutional policies.

Provides project and change management related to the enterprise system integration. Conduct systems analysis, interface with stakeholders, create business process maps, interpret system requirements and create project plans and communication strategies.

Create and maintain detailed system design specifications and documentation.

Knowledge/Skills and Abilities

Required

A bachelor's degree in computer science, software engineering, or a related field.

Proven experience with enterprise data integration in a higher education setting, including data modeling cloud platform integration, and data transformation/ETL.

Database management (Oracle, Postgres/Redshift, MS-SQL)

Integration platform experience such as Informatica, Peoplesoft Integration Broker, and technologies including API's web services and webhooks.

Experience with programming and scripting languages used in data integration such as python and java.

Complex problem solving and analytical skills.

Knowledge of higher education business processes and administrative functions.

Ability to plan and manage enterprise projects, including business process mapping, the use of project management tools, and creating documentation for a variety of audiences.

Work collaboratively and communicate clearly across multiple functional areas, both technical and non-technical.

A fundamental knowledge of Artificial Intelligence and its use in design, function, and development related to system integration.

Demonstrating experience or potential in:

Keep abreast of the latest trends, best practices, and emerging technologies in data integration, data base systems, and cloud services.

Identify opportunities to incorporate new features, tools, or methodologies that can elevate the user experience or streamline development workflows.

Attend relevant conferences, webinars**,** or training sessions to build expertise and contribute innovative ideas to the team.

Close work with Enterprise information System team members, data stewards and custodians, functional service owners, UW-System and third-party vendor technical staff, and serve as an escalation point of contact for complex integration related service requests.

Physical Demands

While performing the duties of this position, the employee must have the mobility to work in a standard office setting and to use standard office equipment, hearing and speech to converse in person and over the telephone and vision to read printed materials and a computer screen. Accommodation may be made for some of these physical demands for otherwise qualified individuals who require and request such accommodation.

Working Conditions and Environment

Some travel is required for necessary meetings, workshops, conferences, etc., including some nights and weekends.

Key Job Responsibilities:

Trains and provides technical guidance to lower level staff

Reviews application design specifications, codes new applications, and makes enhancements to existing applications

Contributes to the development of data structure and systems performance strategies

Leads sub-functional team for application development or enhancement

Conducts analysis for the evaluation and selection of vendor software solutions and packages

Reviews application modules for quality assurance and checks compliance with application architecture standards

Conducts systems analysis, reviews and interprets system requirements, and develops detailed system design specifications for system integration and upgrades

Develops, prepares, or modifies technical specifications for complex projects, system integrations, and upgrades

Prepares program documentation and training requirements

Designs and implements test plans, and prepares systems test data

Department:

*Learning and Information Technology (*LIT) is UW-Stout's steward of technology in support of education. We are committed to providing and maintaining secure, high-quality, reliable, and flexible solutions in alignment with UW-Stout's mission and vision.

The Enterprise Information Systems department serves UW-Stout's academic and workforce development communities through the implementation and management of enterprise information systems that support the teaching and learning, research, and administrative functions of the college.

Compensation:

Competitive salary commensurate with qualifications and experience.

Required Qualifications:

- A bachelor's degree in computer science, software engineering, or a related field.
- Proven experience with enterprise data integration in a higher education setting, including data modeling cloud platform integration, and data transformation/ETL.
- Demonstrated expertise in database management (Oracle, Postgres/Redshift, MS-SQL).
- Experience with integration platforms, such as Informatica, Peoplesoft Integration Broker, and technologies including APIs, web services and webhooks.
- Experience with programming and scripting languages used in data integration such as python and java.
- Demonstrated complex problem-solving and analytical skills
- A strong knowledge of higher education business processes and administrative functions
- Experience planning and managing enterprise projects, including business process mapping, the use of project management tools, and creating documentation for a variety of audiences.
- Ability to work collaboratively and communicate clearly across multiple functional areas, both technical and non-technical.
- A fundamental knowledge of Artificial Intelligence and its use in the design, function, and development related to system integration.

Preferred Qualifications:

- Demonstrated experience with Oracle PeopleTools, PeopleCode, Integration Broker, and Application Designer.

- Experience with AWS data management including Lambda, Athena, Glue, and Redshift
- Strong experience in data governance, including the use of the Collibra Platform

How to Apply:

Complete applications received by end of day, March 23, 2026, are ensured full consideration. Applications submitted after March 23 , may be reviewed at the discretion of the search committee or until position is filled.

To apply, click on the APPLY button or go to: https://www.uwstout.edu/about-us/careers-jobs

Required application materials:

Cover letter (* See below)

Curriculum vitae or resume

Official transcripts will be required prior to an offer being extended.

All final candidates will be asked to provide names, email contact information, and/or phone numbers for three (3) references, with at least one being from a manager or supervisor during the interview process.

Please use your cover letter to speak to each of the Minimum/Required Qualifications for this position as listed above. For each required qualification, describe your relevant experience, using specific examples from your work history to illustrate how your experience satisfies the requirement.

It is the policy of UW-Stout to provide reasonable accommodation to qualified applicants with disabilities. If you need assistance, or accommodation in applying because of a disability, please contact us using the information below. Employment opportunities will not be denied because of the need to provide reasonable accommodation for a qualified individual with a disability.

Contact Information:

For questions regarding this position or recruitment, please contact:

Search Chair: Clara Ries

Email: riesc@uwstout.edu

If you need assistance with the online application process or if you submitted your application prior to uploading all the required application materials, please contact:

Search Coordinator: sweitzerl@uwstout.edu

Email: sweitzerl@uwstout.edu

Guidelines to ensure consideration:

> Applicants must complete all required fields and attach all required application materials.
>
> Within your cover letter address each of the Minimum/Required Qualifications specified for this position. For each required qualification, describe your relevant experience, using specific examples from your work history to illustrate how your experience satisfies the requirement.

It is the policy of UW-Stout to provide reasonable accommodation to qualified applicants with disabilities. If you need assistance, or accommodation in applying because of a disability, please contact us using the information below. Employment opportunities will not be denied because of the need to make reasonable accommodation for a qualified individual's disability.

The Universities of Wisconsin provides an excellent benefits package including participation in the Wisconsin State retirement plan, demonstrating our commitment to the diverse needs of our employees.

> Employee Benefits: https://www.wisconsin.edu/ohrwd/benefits/
>
> To calculate the estimated value of your total compensation, use the Health & Retirement Contributions Estimator | Employee Benefits (wisconsin.edu)

Employment is contingent upon the final candidate's completing a criminal background check and being cleared to work by the Human Resources Office. Employment is also contingent upon the final candidate passing reference checks and an essential job function test, as applicable. The reference check process includes asking the final candidates' professional references questions regarding employee misconduct, sexual violence, and sexual harassment. Reference checks must be conducted at a minimum with three professional references, at least one of which must be a prior supervisor.

Final candidates with previous employment within the Universities of Wisconsin and State of WI agencies will be subject to additional reference checks.

In response to a public records request, the Universities of Wisconsin will not reveal the identities of applicants who request confidentiality in their online application, except that the identity of the successful final candidate will be released. See Wis. Stat. sec. 19.36(7).

UW-Stout is committed to providing safety and security of all members of our community in accordance with the Clery Act. For campus safety information and crime statistics visit: https://www.uwstout.edu/life-stout/police-and-parking/clery-information

UW is an Equal Opportunity Employer

Qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, pregnancy, disability, status as a protected veteran, or any other bases protected by applicable federal or State law and UW System policies. We are committed to building a workforce that represents a variety of backgrounds, perspectives, and skills, and encourage all qualified individuals to apply.

University of Wisconsin-Stout values diversity of people, ideas and experiences. University of Wisconsin-Stout is an equal employment opportunity/affirmative action employer.