Data Architect and Report Developer
Colorado State University

Job Title	Data Architect and Report Developer
Department	Institutional Research, Planning and Effectiveness
	https://www.ir.colostate.edu/
Institution	Colorado State University
	Fort Collins, Colorado
Date Posted	Aug. 6, 2025
Application Deadline	Aug. 17, 2025
Position Start Date	Sep. 1, 2025
Job Categories	Professional Staff
Academic Field(s)	Information Technology
	Research/Technical/Laboratory
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Job Description	

The Data Architect and Report Developer serves the office by writing both simple and complex SQL code to extract data for reporting and/or use in research projects that inform institutional decision-making.

With supervision, the position applies database architecture and management principles to oversee data extracts within the IRPE Oracle database to ensure tables, views, and/or extracts are designed to meet BI reporting standards. This is in support of creating a student data reporting structure for campus to utilize and for building data extracts for BI or R reporting. Again, with supervision, the position applies database architecture and management principles to oversee the collection of co-curricular student activities into the student information system and then within the IPRE Oracle

database to ensure campus can accurately record participation and merge with student success data.

Additionally, the position serves as a report developer using industry standard tools to create standardized reports following established office protocols and documentation; includes both hard copy and online BI reporting (current tools are Power BI and R Studio).

This is a hybrid working position. Hybrid schedules are allowed; however, weekly in-person days in Fort Collins are required. The successful candidate must be legally authorized to work in the United States by the time of hire. Institutional Research, Planning and Effectiveness will not provide visa sponsorship for this position.

Required Job Qualifications

- Bachelor's Degree in related field.
- Experience using SQL programming.
- Experience working with relational databases.
- Experience with report development utilizing automated processes.
- Experience reviewing data and reports, identify data inconsistencies, and take initiative to provide solutions.
- Demonstrated ability to work effectively with members of a team, with willingness to serve as a resource to others.
- The successful candidate must be legally authorized to work in the United States by the time of hire. Institutional Research, Planning and Effectiveness will not provide visa sponsorship for this position.

Preferred Job Qualifications

- Master's degree in related field.
- Experience with higher education data report creation.
- Knowledge and experience with Banner ODS.
- Experience with Power BI and Fabric.
- Experience with R Studio, including functional programming and report rendering with Quarto. Experience in data warehouse design and development.
- Experience with and skill in ETL performance tuning.
- Strong communications skills with ability to organize and present information clearly in analyses and reports.

EEO/AA Policy

Colorado State University (CSU) provides equal employment opportunities to all applicants for employment and prohibits discrimination and harassment of any type without regard to race, color, religion, age, sex, national origin, disability status, genetics, protected veteran status, sexual orientation, gender identity or expression, or any other characteristic protected by federal, state or local laws.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact   Lindsey Laverentz

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Colorado State University

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