



COLORADO

Department of
Higher Education

1560 Broadway, Suite 1600
Denver, CO 80202

John Hickenlooper
Governor

Lieutenant Governor Joseph A. Garcia
Executive Director

Data Systems Engineer/Web Developer

The Colorado Department of Higher Education (DHE) invites applications for the position of Data Systems Engineer/Web Developer. This position works with the Data & Technology team to provide technology-based solutions to the Department in the form of web-based applications, data collection processes, and data preparation for research. This position must provide maintenance and improvements to code in existing web-based data collection applications, manage and deliver data requests from data stored in databases, manage the SURDS data collection and work within a team to complete various technical projects as assigned by the Department. This technical position is part of the Data and Research Division overseen by the Chief Research Officer.

Requirements:

- Minimum 2 years' experience working in information technology field as a developer, software engineer, database analyst, database administrator, or combination;
- Development experience with and extensive knowledge of Microsoft web technologies including ASP, ASP.NET (2.0-4.5), Visual Basic, IIS (6.0-7.5);
- Development experience with and functional knowledge of SQL Server 2008 & 2012 including table design, stored procedures, functions, TSQL;
- Bachelor's Degree in Computer Information Systems, Computer Science, MIS, Business Intelligence, Engineering or related technical discipline. Equivalent work experience in the Information Technology field will be considered;
- Data management experience, such as collecting, transforming, transporting large datasets between systems while maintaining data security;
- Excellent communication and customer service skills;
- Team player

Beneficial Experience:

- Knowledge of the SURDS data collection managed by the Department;
- Experience with Microsoft Integration Services and Analysis Services;
- Experience with Business Intelligence or Analytics software;
- Experience with higher education data and/or data systems;
- Knowledge of privacy rules and legislation such as FERPA and Privacy Act of 1974;



Responsibilities:

Development

- Develop and maintain the data collection, file processing and reporting websites. This includes applications such as SURDS and code-based sections of the CDHE website;
- Develop all required web reports and stored procedures for submitted SURDS files;
- Create/run stored procedures for reporting on SURDS data submissions;
- In consultation with the Database Administrator, the position is responsible for designing and maintaining procedures and functions in SQL Server;
- In consultation with the Sr. Network & Systems Engineer, this position is responsible for the website architecture in IIS for all websites hosted by CDHE;
- Deliver online data transparency by providing data on public facing websites in searchable, downloadable and multiple formats, while obeying privacy and confidential restrictions
- Extract and prepare data for publication in legislatively mandated reports, such as Educator Preparation, High School Progress & Outcomes, Concurrent Enrollment, Remedial Education;
- Provide guidance, planning, oversight and/or technical support to all DHE web development projects and data projects;

SURDS

- Lead contact for all SURDS website data submission questions, comments, request and overrides;
- Coordinate with institutions on SURDS file submissions and data conversions;
- Coordinate and manage SURDS field definitions in coordination with DAG (Data Advisory Group);
- Lead discussions regarding field definition changes and modifications and new data collection fields and files;
- Maintain and update all validation-stored procedures for SURDS data collection;

Public Relations

- Represent CDHE in presenting summaries of SURDS, data sharing and data availability

Employees at the Colorado Department of Higher Education are offered excellent benefits including; medical, dental, and life insurance. We provide a benefit allowance to offset the benefit cost. Additionally, CDHE offers 4 weeks of vacation and is a participant of the state PERA program.

Salary Range and Employment Duration

The position is a full-time position.

Salary range is \$58,000 to \$68,000, contingent upon experience.



Interested Applicants

Please submit a cover letter, resume, salary history, and the names and contact information of three references to:

clangan@college-assist.org

Or FAX to: 303-292-1606

Or Mail to: Colorado Department of Higher Education
Human Resources
1560 Broadway, Suite 1600
Denver, CO 80202

Position will remain open until filled. Application review begins immediately and position start is immediate.

Employment is contingent on successful completion of a criminal background check.

The Colorado Department of Higher Education is an Equal Opportunity employer. In compliance with federal and state anti-discrimination laws, the Department does not discriminate in matters of employment based on disability, race, creed, color, sex, sexual orientation, transgender status, religion, age, national origin, or ancestry.

