



Back End IT (Web) Applications Developer

Position Announcement

The Nebraska Statewide Workforce & Educational Reporting System (NSWERS) at the University of Nebraska is seeking applications from qualified individuals for the position of back-end Applications Developer to assist in the development initiatives for the NSWERS organization.

The back-end developer will work closely with the Assistant Director for IT applications to plan, develop, and manage web application back ends to support the goals and objectives of the organization. This includes ensuring effective and secure application operations, support and maintenance of legacy applications, development of new technical solutions, and successful application integration with NSWERS partner organizations.

NSWERS Profile

The Nebraska P-20W data initiative, known as NSWERS, is a partnership of the Nebraska prekindergarten, elementary, secondary, and postsecondary educational systems to use data and information to further evidence-based policy and practices. The NSWERS partners also work in affiliation with the Nebraska Department of Labor to examine the intersection of education and the workforce with the goal of providing research-based insight to meet Nebraska's current and future workforce needs. More information is available at <https://nswers.org>.

Job Responsibilities: (In addition to periodic unique tasks, the following describes major responsibilities)

IT Application Development

- Develop services that integrate with web applications using APIs.
- Creates and reviews back-end application designs, code, and unit test plans.

Application Support & Maintenance

- Produces detailed timeline for web application releases and implements effective project control by monitoring the progress of the software release and reporting the status.

- Ensures the consistency and maintainability of IT applications by following standards/procedures for implementing technical solutions.
- Develops and maintains technical documentation for IT applications back-ends.

Operations & Administration

- Analyzes complex business needs presented by the user community and/or clients and recommends technical solutions.
- Perform liaison duties between users, operations, and programming personnel in the areas of IT application systems design, modifications or trouble shooting.
- Collaborates in creating information technology solutions to support and meet organization objectives using the latest industry-standard technology and practice.
- Implements IT procedures for maximum efficiency and cost containment.
- Ensures users/customers are provided professional, courteous, and timely support and service.

Leadership/Professional Accountability

- Stays abreast of technology trends and regulations to ensure effectiveness and data compliance.
- Performs other related duties as assigned by management.

Qualifications and Attributes

Applicants who have knowledge, skills, and work experience to meet the criteria for senior back-end web developer will be appointed at that level.

Minimum Qualifications

Bachelor's degree and three (3) years of progressive experience developing application program interface (API) based Azure-deployed back-end software applications. Demonstrated competency with .NET Core Framework, LINQ, Entity Framework, and both unit and functional testing using Visual Studio. Demonstrated excellent oral and written communication skills with attention to detail.

Senior Qualifications:

Six (6) years of experience, the ability to utilize multiple application development resources for back-end application development.

Equivalent combination of education and experience from which comparable knowledge and abilities can be acquired may be considered.

Preferred Qualification

Experience in the education K-12 and postsecondary industry;
Experience utilizing IT security standards and requirements;

Experience with CI/CD pipelines and DevOps best practices;
Experience with Agile methodology and user story creation;
Experience with Structured Query Language (SQL);
Experience with Swagger and/or OpenAPI documentation

The ideal candidate is an agile, self-starter comfortable with collaboration with internal and external resources and/or project teams; exhibits exceptional verbal, writing, editing and proofreading skills; an energetic, creative problem solver who can work independently; a resilient learner who is able to develop relationships with the NSWER's stakeholders; a track record of timely completion of projects and the ability to responsibly manage competing priorities.

How to Apply:

This position works in Lincoln, NE. Submit an applicant profile at <https://careers.nebraska.edu>. Along with your application, attach a cover letter, resume, and contact information for three professional references. Direct questions about the position and the on-line application process to: humanresources@nebraska.edu or call (402) 472- 3701.

The University of Nebraska is an Affirmative Action/Equal Opportunity Employer and participates in E-Verify. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, age, national origin, disability, gender identity, sexual orientation or protected veteran status.

Competencies for Back-End IT (Web) Application Developer

Nature/Complexity of Work

This position requires an individual who works with considerable collaboration and flexibility in a complex day-to-day environment. The ability to create software development plans and reasonable deadline estimations. Strong attention to detail, accuracy, professional discretion, and sensitivity to confidential information, a record of effective teamwork and relationship building across a stakeholder network is required.

Problem Solving/ Decision Making

Problem solving and appropriate decision making are required in every element of this position. Key duties involve the analysis of issues and actions required to support day-to-day back-end web application development and design. Actions are governed by broad objectives, professional ethics, university procedures and/or business acumen.

Strategic Input

This individual is required to be proficient and conscientious in the day-to-day work when representing the NSWERS consortium and its member organizations at all times. Operational review of desired objectives is often necessary to ensure the administration of the web platform is accurate. This individual should be mission-driven and deeply committed to the

values of NSWERS. One should be an optimistic, positive, resilient, insightful, and performance-driven decision maker, problem solver, and consensus builder.

Know How

This position demands the ability to take initiative, operate independently, and thrive in a multi-tasking environment. One should demonstrate exceptional interpersonal skills with a strong orientation toward collaboration and teamwork; exceptional verbal, writing, editing, and proofreading skills; must be detail-oriented and accurate; must have ability to prioritize effectively and quickly respond to shifting priorities; the ability to collect, compile, and analyze facts, draw conclusions, and recommend solutions; Demonstrate a high level of professional discretion and confidentiality.

Technical Know How

- Technically fluent in programming languages, including .NET Core, LINQ, Entity Framework, C# using Visual Studio.
- Experience in Azure deployment and the use of Azure Functions and Web Apps.
- Some knowledge of MS SQL database development.
- Experience with web APIs and RESTful web service implementations.
- Version control or source code management using GIT.
- Maintain project work plans.
- Investigate, evaluate, and select tools and methods for improving productivity and software quality throughout the life cycle.
- Experience with testing and QA methodologies.

Interactions

This position will be expected to collaborate with individuals and their projects. The ability to advocate ideas, identify and address obstacles is expected, along with the judgment to seek supervision and/or input from others when necessary.

Supervision & Leadership

This position reports to the Assistant Director for IT Applications Development. This position does not have supervisory responsibilities over other positions.

The physical requirements and work conditions described here are representative of what an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Physical Requirements:

While performing the duties of this job, the employee is routinely required to speak, hear, have vision for up close and far away, and use hands to touch, feel, handle, and operate routine

office equipment. The employee is occasionally required to stand, walk, climb stairs, bend, reach, twist, and lift, carry, or move up to 10 pounds. The employee is required to occasionally travel to and participate in meetings and conferences which may require the ability to drive a motor vehicle and/or stay overnight.

Work Conditions:

The noise level in the work environment is usually moderate and there may be frequent interruptions as staff conduct business in cubicles, walled office space and conference rooms.