

**NATIONAL COUNCIL OF STATE BOARDS OF NURSING, INC. (NCSBN)
OPEN POSITION ANNOUNCEMENT - JOB POSTING: #1003**

POSITION TITLE / BAND: Application Developer, Measurement & Testing, Examinations 7

STATUS: Full time / Exempt

REPORTS TO: Lead Psychometrician, Measurement and Testing, Examinations

DIVISION: Operations

LOCATION: Chicago, Illinois

POSTING DATES: Wednesday, January 13th, 2021 – Friday, March 12th, 2021

ABOUT NCSBN

The [National Council States Boards of Nursing](#) (NCSBN) is a not-for-profit organization whose membership includes the nursing regulatory bodies in the 50 US states, the District of Columbia, four U.S. territories, 9 Canadian Provinces, and 27 international jurisdictions. Our mission empowers and supports nursing regulators in their mandate to protect the public. NCSBN promotes leadership, excellence and innovation in addressing local and global regulatory and healthcare challenges through strategic alliances and partnership with its members and other organizations, both public and private.

NCSBN is engaged in a transformative process to better support its strategic direction and initiatives focusing on its mission to empower and support nursing regulators in their mandate to protect the public. The building blocks of achieving NCSBN's vision of leading regulatory excellence are encapsulated in the following four focusing concepts:

- Collaboration
- Performance Measures and Metrics
- Governance
- Data and Technology

These focusing concepts require NCSBN to gain and maintain individuals with key skills related to communication, change management, performance management, quality improvement, policy, board development, strategic partnering, data analytics, and economics.

JOB SUMMARY

Supports the organizational mission and vision by contributing to the psychometric and content development services related to the Examinations Department. Supports the transformation of raw data inputs for the testing program and contributes to the development of applications that provide services such as creating test items, exams, and reports which includes experiences using Python/R for data manipulation of structured and unstructured data. Experience with XML, QTI, or JSON is required. If unfamiliar with QTI, must be willing to be trained in use and implementation for publishing examination materials. Will provide lead work on developing web applications and data dashboards for both internal and external stakeholders using modern methods. Must have documented experiences using HTML5, JavaScript, Python, RShiny, PowerBI, or Dremio/Yurbi for dashboard and/or web application development. Adheres to industry programming standards. Uses knowledge and skills to support both operational and R&D activities of the Examinations Department Interacts with multiple departments to publish exam series, support on-going research, and meet delivery deadlines. Function as trouble-shooter to investigate and correct system and/or program defects. Adhere to and support the values and cultural framework developed by the Examinations Department.

RESPONSIBILITIES

- Lead development in web applications and data dashboards for internal and external stakeholders.

- Transforms raw data inputs for testing programs into XML/QTI and work intricately with publishing team.
- Assists in performing design, development & implementation tasks. Participate in code reviews to ensure quality, maintainability & adherence to standards.
- Maintains appropriate technical documentation of procedures and processes and report preparation as requested. Participates on team when investigating and correcting program/system defects.
- Performs other duties as assigned.

QUALIFICATIONS

- Bachelor's degree in business, computer science, or related degree, or equivalent combination of education and experience, prior application, dashboard, or web development experience preferred.
- Solid understanding of web application architecture.
- Experience in using reporting and development tools required.
- Experience with XML or JSON required, experience with QTI preferred.
- Deep knowledge of web-based frameworks (React, Vue, Angular, or RShiny) and languages (HTML5, CSS, JavaScript).
- Knowledge and experience with structured programming languages, e.g., R/Python/C#.
- Good understanding of relational and/or non-relational database management systems.
- Good understanding of back-end frameworks (Node.js, flask, Django).
- Excellent analytical, organizational, follow-up and planning skills need when evaluating, designing, or implementing systemic analysis of content development and publishing processes.
- Must be willing and able to contribute to creative problem solving and out-of-the-box thinking as part of the R&D team.
- Strong attention to detail and a commitment to data integrity.
- Project management skills with ability to provide deliverables in timely manner.
- Experience with PC and MS Office.
- Excellent communications, technical writing, and editing skills required.
- Travel is expected to be less than 5% of time. Please note: Due to COVID-19, all business travel requirements have been temporarily placed on hold.

TO BE CONSIDERED

Interested candidates must submit their resume along with cover letter and salary requirements as soon as possible but no later than Friday, March 12th, 2021 at

https://workforcenow.adp.com/mascsr/default/mdf/recruitment/recruitment.html?cid=03db93ed-1b1c-4447-805d-a674958c23e6&ccld=19000101_000001&jobId=403794&lang=en_US&source=CC4.

The National Council of State Boards of Nursing (NCSBN) is an equal employment opportunity employer. Decisions affecting employment are considered without regard to disability, race, color, religion, gender, national origin, age, genetic information, military or veteran status, sexual orientation, marital status or any other protected characteristic.