Geospatial and general application/database development position

The National Association of Tribal Historic Preservation Officers (NATHPO) is currently seeking to fill a 3-year opening for a skilled professional in both the realms of geospatial *and* general application/database development for the Land Area & Name Directory (LAND) Database Project. Understanding the locations of Tribally important places and resources is essential to their preservation and consideration during emergency response activities and planning for infrastructure, energy, and broadband development – including NHPA Section 106 reviews. And Tribes are the only people who can provide that information, as appropriate.

This project will create a geospatial platform for information on Tribal cultural resource contacts and areas of interest. It will be driven by Tribes in its design, decision making, and data population. It will improve both protection of Native places and efficiency of required project reviews (please see the website for additional information). The person to fill this position will be responsible for crafting both LAND's underlying database and the application through which users will interact with the database, so the preferred candidate must be technically competent and have a good understanding of user interface (UI) and user experience (UX) design.

Responsibilities:
- Build web applications to support spatial data visualization, exploration, querying, and filtering.
- Design user experiences and user interfaces that are highly functional and interactive.
- Create application interfaces that work well on both mobile and desktop browsers.
- Develop and implement reliable relational database management systems (RDBMS).
- Design, code, and integrate applications with database management systems.
- Perform data integrity, quality assurance, and performance assessments.
- Assist in the development of project proposals, budgets, and schedules.
- Ensure web applications are optimized for speed, security, and scalability.
- Communicate effectively with project leads/stakeholders and incorporate feedback.
- Make informed recommendations to project leads/stakeholders.

Requirements:
- Advanced knowledge of GIS tools, technologies, workflows, and best practices
- Substantial experience developing web mapping applications utilizing Esri products (e.g., ArcGIS Pro, ArcGIS Enterprise, ArcGIS Online, ArcGIS Experience Builder, ArcGIS Web AppBuilder, ArcGIS Survey123, etc.)
- Meaningful experience working with application programming interfaces (e.g., ArcGIS API for JavaScript, ArcGIS API for Python, ArcGIS REST API, ArcGIS Web/Mobile APIs, etc.)
- Experience with SQL, Python, HTML, CSS, JavaScript, and ArcGIS Arcade
- Experience developing and supporting ETL operations
- Ability to develop, maintain, test, and scale code to achieve organizational goals
- Ability to learn innovative technology, software, and workflows
- Ability to communicate technical concepts to non-technical audiences

Candidates must apply to NATHPO Executive Director, Valerie Grussing (valerie@nathpo.org), and Operations Director, Melissa Madrigal (melissa@nathpo.org), via email by September 13, 2024. Please provide a portfolio of projects when submitting your resume.

Salary and benefits are commensurate with experience and comparable to a GS-11.