WSIPP Job Recruitment
Lead Application Developer

Opened: July 27, 2023
Closes: August 22, 2023
Salary: $8,103.00-$10,532.00 per month of full-time work (DOQ)

Washington State Institute for Public Policy Profile

The Washington State Institute for Public Policy (WSIPP) is a nonpartisan public research group located in Olympia, the hub of Washington State government. WSIPP is a team of multidisciplinary researchers who conduct applied policy research for the state legislature in a creative and collaborative environment.

WSIPP is strongly committed to the core values of nonpartisanship, quality, and impartiality. Created in 1983, WSIPP has become nationally and internationally recognized for the design, depth, and quality of its research reports and benefit-cost analyses.

Position Purpose

The Lead Application Developer is WSIPP's central resource for programming expertise, including maintaining and improving WSIPP's custom applications, developing new applications as needed, and developing and maintaining WSIPP's website. This position is essential to providing secure, reliable, and efficient programming for the tools that support and publish WSIPP's evaluation and analytic efforts.

The Lead Application Developer is responsible for working independently and seeking guidance from the Director, Assistant Director for Operations, and research staff to ensure that new and existing software is developed and maintained following the needs and wishes of WSIPP staff and that the website meets the needs of users.

Nature and Scope

WSIPP conducts research at the direction of the state legislature or its Board of Directors. Research areas include, for example, health care, public health, higher education, criminal justice, education, child welfare, and behavioral health. State policymakers trust WSIPP research reports; the quality of these reports depends on accurate, efficient, and well-maintained applications.

The Lead Application Developer is the primary person responsible for developing and improving WSIPP's applications. The Lead Application Developer must be able to provide oversight, advanced programming support, and mentorship to an additional application developer. The position is responsible for working with the System Administrator to ensure compliance with application-specific Washington State cyber-security policies (security reviews and updating policies, as needed).

Essential Applications

- Effect-size model (ESM): The ESM is a client-server application which allows WSIPP staff to track reviews of evidence and run meta-analyses to summarize knowledge about specific topics of interest to the legislature. The ESM consists of a custom-developed C# application built in Windows Presentation Foundation (WPF), using Code-First Entity Framework, and a SQL Server database. WSIPP staff use the ESM to perform critical research tasks; the application supports multiple concurrent users.
- WSIPP's Websites: WSIPP's .NET website is database-driven; the web hosting is managed in Amazon Web Service (AWS). It uses jQuery; ASP.NET Razor C#; Code-First Entity Framework; and ASP.NET MVC. The Lead Application Developer administers the database, manages the website's AWS configuration, and monitors the day-to-day security and functionality of the website. The Lead Application Developer is responsible for making improvements and additions to the website.

Additional Duties

- Complete other projects upon request. The work portfolio may vary depending on evolving organizational needs
- Oversee the complete life cycle of all WSIPP-owned software (planning, architecture, development, testing, deployment, and maintenance)
- Serve as agency expert in the technical components of WSIPP's application tools

Knowledge, Skills, and Abilities

- Research, recommend, and guide the development and integration of new applications
- Work in a team environment with a high degree of personal accountability and self-direction
- Project management skills, including the ability to see a project through from start to finish, scope time and other resources for the project, and make decisions and judgments along the way
- Willingness to learn new technologies to advance WSIPP's work
- Independently perform complex tasks and projects
- Lead workgroups and committees to aid in the design, development, quality assurance, and stress testing of applications
- Coordinate, plan, and flexibly manage complex projects, communicate effectively with WSIPP staff regarding deadlines and deliverables, and ensure on-time completion.
- Advanced skill in creating custom software applications
- Strong interpersonal and communication skills and ability to represent WSIPP professionally and to establish and maintain collaborative working relationships internally and externally
- Ability to work diplomatically, professionally, and nonpartisan on all issues ranging from day-to-day to controversial topics

Minimum Qualifications
- At least six years of experience with hands-on design, development, integration, and deployment including:
  - At least four years of experience with full-stack web development
  - At least two years of current experience as the lead application developer or owner of an application
  - A bachelor's degree in computer science or a related field with a programming emphasis may substitute for two years of work experience. Independent application development work in an academic setting may qualify as work experience.
- Advanced proficiency in the following:
  - C#
  - HTML, CSS, and JavaScript
  - Server-side language such as ASP.NET, PHP, or Node.js
  - Developing custom software applications with the Microsoft .NET platform
  - SQL
  - Database design and administration
  - Cloud computing (e.g., Azure, Amazon Web Services, or Google Cloud Platform)

Desired Qualifications
- Advanced proficiency in the following:
  - Windows Presentation Foundation (WPF)
  - Entity Framework Amazon Web Services (AWS)
  - jQuery
  - Source control repositories (e.g., Team Foundation Server, Azure DevOps, or GitHub)
  - Internet Information Services (IIS)
  - Razor C#
  - JIRA and Confluence
  - Visual Basic for Applications (VBA)
  - Microsoft Excel: facility with all data display types, formulas, macros, user forms, and statistical and reference worksheet functions
- Experience in statistical software packages such as R, SAS, and STATA
- Experience with Python, particularly with the Pandas library

Conditions of Employment
- Must provide proof of identity and employment eligibility within three days of beginning work.
- Prior to a new hire, a background check including criminal record history will be conducted. Information from the background check will not necessarily preclude employment but will be considered in determining the applicant's suitability and competence to perform in the position.

Work Environment
- Flex scheduling is allowed, and the supervisor may approve a full-time telework schedule. Occasional meetings in a group setting are expected.

Benefits
A full state benefits package which includes: paid sick and vacation leave; paid campus holidays; a generous medical, dental, life and disability insurance package for employees and dependents; retirement; optional deferred compensation and optional supplemental retirement accounts. For more information about Evergreen's excellent employee benefits, please view
http://www.evergreen.edu/payroll/benefits.htm

To Apply
Please visit https://evergreen.peopleadmin.com/postings/3646 to apply.