Position Description

Title: Digital Library Application Developer

Status: Exempt

Purpose: The Library’s Office of Digital Initiatives builds and curates digital collections and creates web-based applications for access and use of those digital library collections. Designs, develops, tests, and maintains web applications for searching and displaying the Library’s digital collections.

Supervision: Director of Digital Initiatives, Library

Responsibilities:

- Works collaboratively with the Library’s Digital Initiatives team to define requirements for the functionality and design of web-based applications.
- Writes and refactors XQuery, XSLT, HTML, JavaScript, and CSS code for new and existing web applications built on native XML databases.
- Develops and follows coding conventions and documentation practices; identifies, tracks, and refactors code that diverges from those practices.
- Tests web applications in multiple browsers on multiple platforms; identifies, tracks, and resolves bugs.
- Creates and maintains test suites for automated quality assurance of web applications.
- Serves as a member of an agile, cross-functional digital library team.
- Stays abreast of developments in direct areas of job responsibility and engages in continuous professional development.
- Contributes to the Library’s alignment with the Seminary’s Strategic Plan, to Library assessment, and to a user-centered service model.
- Performs other duties as assigned.
Qualifications:

- Bachelor’s degree or equivalent combination of education and professional experience.
- Experience developing web applications using one or more established programming languages (PHP, Python, Ruby, etc.). Experience with MVC preferred.
- Solid working knowledge of HTML5, JavaScript, and CSS.
- Experience with Responsive Web Design techniques and frameworks preferred.
- Experience processing XML documents. Knowledge of XQuery or XSLT preferred. Experience building web applications on top of native XML databases preferred.
- Familiarity with tools or frameworks for automated testing of web applications preferred.
- Experience delivering audio and video content in web-based applications preferred.
- Experience utilizing Agile software development practices preferred.
- Experience working in a library, museum, or higher education institution preferred.
- Aptitude for learning and applying new technologies.
- Familiarity with Oxygen or a comparable IDE for XML technologies.
- Ability to work both independently and collaboratively in the context of a small, collegial team in a dynamically changing environment.
- Proven problem-solving ability, excellent organizational and communication skills, and ability to pay close attention to detail, while maintaining a balance between quality and efficiency.
- Commitment to a user-centered perspective.
- Demonstrated flexibility, openness to change and innovation, and a tolerance for ambiguity.

Princeton Theological Seminary reserves the right to amend this position description at any time.

We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, gender identity, sexual orientation or any other characteristics protected by law.