SOW for Contractor Web Developer

Duration:
October 1, 2022 to October 1, 2023 (12 months)

Required Qualifications:
- Five (5) years’ experience in Website Design/Development role
- Two (2) year degree
- Two (2) engagements lasting more than six (6) months in Website Design/Development role
- One (1) year of experience in each of the following
  - PHP
  - Python/Django
  - Javascript
  - HTML
  - CSS
  - RESTful web services
  - Git

Desired skills:
- Experience with web server technologies like Nginx, Apache, and UWSGI
- Strong understanding of UI, cross-browser compatibility, general web functions and standards
- Experience with Web User Interface Design (UI), Security Principles, Object-Oriented Design
- Experience in planning and delivering software platforms used across multiple products
- Experience working in an Agile/Scrum development process
- Experience in creating wireframes, storyboards, user flows, process flows and site maps
- Familiarity with containerization, Docker, Kubernetes
- Familiarity with SQL, XML, OpenAPI, Java, Spring

Statement of work (SOW):
1. Receive weekly knowledge transfer from the staff web developer.
2. Keep PRODuction, STAGE, and TEST environments functional during the absence of the staff web developer.
3. Perform one or more of the following tasks as assigned by the Deputy Revisor of Information Systems.
   a. Web page/app migration
      i. Assist the office in migrating web pages/apps from PHP to leverage Python/Django or Javascript (Vue.js)
      ii. Meet with staff to ensure that required functionality is maintained during the migration.
      iii. Incorporate updates into apps being ported to new framework
      iv. Create documentation when needed for the applications
   b. Codebase improvements for environmental aspects
      i. Alter code to gracefully understand and operate in the target environment (Test, Stage, Production)
      ii. Adopt improved methods for the handling of passwords and environment variables
iii. Eliminate or reduce the need to cherry pick source code commits when deploying releases to an environment.

   c. Improve technology stack utilization:
      i. Address long standing errors and warnings in code
      ii. Evaluate and improve upon configurations for framework and stack components (UWSGI, NginX)
      iii. Make recommendations for coding conventions to ensure best practices are being followed
      iv. Make improvements to the code base to ensure best practices are being followed.

   d. Investigate/Plan incorporation of containerized environments
      i. Plan a basic architecture for moving current web solutions to a containerized environment
      ii. Develop a proof of concept for running web solutions in a containerized environment

**Work location:**
Work with the Revisor's Office can be done remotely, but may require occasional presence on site.