Title: IT Applications Software Specialist (17-917)

Location: Seattle, Washington (98115)
Anticipated Start Date: September 18, 2017
Position Type: Temporary (6 months or less), Salary/ Exempt
Benefits Eligible: No | www.psmfc.org/benefits
Salary Target: $3,541.67 – 3729.17

Job Number: 17-917
How to Apply: Online at www.psmfc.org/careers
Closing Date: August 31, 2017 at 9pm PT

Group Definition:

Applications Software Specialists design, document, develop, modify, test and implement new or existing systems and applications software. Functions include analyzing and refining systems requirements; translating requirements into applications; writing, debugging and maintaining code; determining output media/formats; designing user interfaces; working with customers to test applications; assuring software and systems quality and functionality; writing and maintaining program documentation.

Position Specifics:

This position is Temporary, six months or less in duration. This position is to work closely with the project manager to develop a robust data model and an APEX application which implements the tracking of fish from an observer at sea to the receipt, analysis and disposal of the specimen at the Alaska Fisheries Science Center. A robust understanding of Oracle relational databases and the APEX application development framework is required. The opportunity for additional project work may become available.

Essential Functions: (The functions listed are characteristic of the type and level of work associated with this group and pay band. They are not all-inclusive. Individual positions may perform some or all, as well as other similar work.)

- Define and analyze technical and functional requirements and specifications. Assure they are consistent with current and planned infrastructure and data environments.
- Develop software components, data flow, relationship and other models and the data structures to implement the models.
- Develop code, test, debug, document, write user instructions, and deploy systems software and application software.
- Develop web-based application interfaces to databases. This includes development of graphical user web-based interface and stored database rules and procedures.

- Maintain engineering control processes as a mechanism for software modifications. The process provides capabilities to solicit input from users, prioritize major and minor bugs and software enhancement requests, and the ability to track these changes from the time they are reported to the time they are implemented in production code.

Knowledge Required by the Position:

At the lower end of the range, the employee has broad knowledge, abilities, and skills as follows:

- Ability to analyze, design, test, and implement complex, personal computer based, real-time, data acquisition system software.
- Ability to develop complex software applications.
- Ability to create entity relationship models, process data flow models.
- Knowledge of relational database management systems and structured query language.
- Knowledge of effective technical writing techniques.
- Ability to communicate clearly and effectively, both orally and in writing.
- Strong writing of documentation and presentation skills.
- Ability to interact and deal effectively with individuals and groups having diverse backgrounds (biologists, engineers, statisticians, economists, fiscal specialists, computer specialists, etc.) to translate their needs to software functionality.
- Database modeling and design.

At the upper end of the range, the employee uses mastery-level knowledge and abilities to develop state-of-the-art technology and functionality.

Physical Demands:

The work is sedentary with moderate walking between workstations and carrying folders, reports, and similar light loads.

Work Environment:

The work is performed in an office setting with adequate lighting, heating and ventilation. There are the normal risks of an office environment.

Minimum Qualification Requirements:

Candidates must present one year of Specialized Experience** which demonstrates:

- Knowledge of the customary approaches, techniques, and requirements appropriate to systems and applications software design and development;

- Knowledge of planning sequences necessary to accomplish assignments where this entailed coordination with others outside the organizational unit and development of project controls; **and**
- Adaptation of guidelines or precedents to the needs of the assignment.

***The Specialized Experience must equip the candidate with the particular knowledge, skills, and abilities to perform successfully the duties of the position, and is typically in or related to the work of the position to be filled. To be creditable, the Specialized Experience must have been equivalent to at least the next lower level in the normal line of progression position.

Additional Requirements Include:

- Knowledge of Oracle Application Express (APEX) with Oracle Procedural Language/Structured Query Language (PL/SQL), JAVA, JavaScript, extensible Markup Language (XML), Dynamic Actions, and Plug-Ins
- Knowledge of Use Case, ERD (Entity Relationship Diagrams) and other logical and physical modeling tools (Oracle Designer, Oracle Developer, Oracle SQL Developer)

Knowledge of generally accepted application development life cycle and metadata standards and processes, including the creation and publication of FGDC or ISO metadata records.

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Pacific States Marine Fisheries Commission is an Affirmative Action (AA) and Equal Employment Opportunity (EEO) employer and welcomes all qualified applicants. Applicants will receive fair and impartial consideration without regard to race, sex, color, religion, national origin, gender identity, age, mental or physical disability, sexual orientation, veteran status, genetic data, or other legally protected status.

If you have a disability and need assistance completing the application form, you may call the PSMFC human resources office at (503) 595-3100 between the hours of 8 a.m. and 5 p.m. PST, Monday-Friday. Reasonable accommodations for interviews will be provided upon request to individuals with disabilities.

We maintain a drug-free workplace.