



State of Montana

Project Specific Job Description

Software Developer

Job Title:	Software Developer	Job Category:	Staff Augmentation
Department/Group:	Montana Department of Transportation	Job Code/Req#:	N/A
Location:	2701 Prospect Avenue Helena, Montana	Travel Required:	No
Level/Salary Range:	Dependent upon experience	Position Type:	Full time Starting JAN 2015
MDT Supervisor:	Mandy Needham	Contact Information:	406-444-7639 mneedham@mt.gov

Job Description

Working under the direction of MDT staff, position incumbent will perform analysis, design, development, testing, and implementation tasks necessary to accomplish a number of requested enhancements, system interfaces, and new development and/or maintenance efforts for MDT. The primary focus of this effort is toward Aeronautics Pilot and Registration System. This system is written in Java technologies with an Oracle backend database. Work on this project will be accomplished using the Agile development methodology, Scrum framework. MDT staff will coordinate all Scrum activities.

Responsibilities

The Contractor will:

- Work closely with MDT business analysts and/or subject matter experts, as directed, to understand the underlying business requirements
- Analyze requirements and design user interfaces, processes, etc. that will meet the stated needs.
- Deliver production-ready, working software every sprint period. Such software will be reviewed by pertinent customers at the end of each Sprint period. Contractor may be asked to demonstrate the working software to MDT customers during the sprint review.
- Adhere to MDT's development and coding standards. Code produced by the contractor will be subject to periodic code reviews.
- Adhere to MDT's testing and software migration processes.
- Adhere to MDT and State technology policies.
- Take technical direction and work assignments from the MDT Application Development Supervisor or designee.
- Regularly update assigned tickets in MDT's JIRA ticket system to reflect current status, attach appropriate documentation, insert relevant comments, provide initial estimates and story points, and provide updates to reflect actual time.
- Participate in Scrum ceremonies, including daily scrum team meetings, sprint planning, sprint reviews, and sprint retrospectives.
- Provide system documentation and, if required, knowledge transfer to MDT technical staff, as identified by the MDT Application Development Supervisor.

Skills and Abilities Requirements

- Ability to work independently and self-manage
- Ability to work well within a team
- Skilled in software analysis and design
- Considerable skill building positive working relationships with project and program team members
- Considerable skill developing with Java, JIRA, Spring, Hibernate, MyEclipse IDE, or other very closely



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related technology

- Experience using Oracle databases (11g or newer is preferred)
- Experience using Subversion code repository
- Excellent oral communication skills
- Excellent written communication skills

Knowledge & Experience

- Minimum of four years software development experience utilizing all skills listed above
- Substantial experience performing software analysis, design, coding, and testing activities
- Proficient in Microsoft Word, Excel, and Outlook and WordPress
- Proficient in Mozilla Firefox and Microsoft Internet Explorer
- Proficient with Agile development methodology and frameworks (preferably Scrum)

Educational Requirements

A Bachelor's degree in computer science or a related field is required, plus four years of directly related qualifying experience. Four years directly related qualifying experience, or other equivalent combination of experience and education may be considered in lieu of desired educational requirements.

Timeline and Period of Performance

The execution of this agreement and the project will start on 12/15/2014. The time period will continue for six months, depending upon the number of contracted staff proposed and the hourly rates for each. The Contractor will not exceed available funding of \$150,000 for this contract period. The State may choose to extend this engagement up to six additional months, contingent on the availability of additional funding.

The state has the right to extend or terminate this agreement at its sole discretion.

The Contractor will not make changes to the staff, roles, or responsibilities listed in the agreement without the prior written approval of MDT's Application Development Bureau Chief.

Billing

The Contractor will bill at an hourly rate. The Contractor will submit a monthly invoice for each contracted developer detailing actual time spent on assigned work. The invoice will be submitted to the MDT Application Development Supervisor for review. MDT's Applications Development Bureau Chief will authorize final approval.

No travel expenses are expected or authorized. MDT will supply the equipment, space, and other materials necessary for the candidates to perform their work duties. No Contractor expenses related to such equipment, space, or materials is expected or authorized.

Miscellaneous

Proposed Contractor staff for this position will be subject to a criminal background review. Individual circumstances involving a criminal conviction will be reviewed to determine a proposed individual's eligibility to fulfill this contract. Contractor will be required to work at the MDT Helena headquarters building from 8am-5pm, M-F unless an alternative work schedule is mutually agreed to by the contractor and MDT.