AtWork Systems, Inc. Open Requisitions

www.atworksys.com

Background

AtWork Systems, Inc. is a startup focused on the development of an innovative new product suite for the shared services market. We are looking to staff our development team. If you have experience developing quality Java software we’d like to talk to you.

The Shared Services Online (SSO) project will deliver a complete suite of cloud based software products that provide a comprehensive shared services back-office ecosystem to small and medium size professional service firms, such as, professional service firms or government contractors. SSO will:

- Deliver a set of cloud based web applications and tools for automating back office business transactions, such as: HR, Expense, Procurement, Agreements, Invoicing, Labor Reporting and Proposal Development. These capabilities will be delivered via a Software-as-a-Service (SaaS). The system will provide business managers greater insight into their transactions by providing Dashboards as well as tools to improve compliance and to detect fraud.

- Provide standardize business processes (using standards-based workflow tools) which provide greater visibility and control over business transactions while allowing these functions to be staffed based on a shared economy model i.e. the support staff may be in-house or contract employees.

- Provide a marketplace where organizations to easily scale their back office support functions while also providing significant productivity gains leveraging consultants/partners in the network of professional resources.

- Deliver desktop webapps that provide a full set of capabilities for initiating and validating business transactions as well as supporting back-office functions such as HR, accounts payable, procurement and expense management which facilitates outsourcing these functions to a workforce who are not co-located with their employer.

- Deliver mobile webapps that provide functionality which allows managers to have visibility and control over business transactions via Android and IOS smart phones.

- Allow employees to work offline when no internet service is available.

Technology

Our solutions is being built using the latest Java technology stack, including:

- Java EE 8 (CDI, JPA 2, EJB3, JAX-RS, Bean Validation), Java JDK 8
- JBoss Application Server (Wildfly 10)
- JBoss Developer Studio/Eclipse + JBoss Tools, Git, and Maven
- MySQL like RDMS
- JBoss jBPM6 & Drools Rule Engine
- HTML5, JavaScript & AngularJS (Android & iOS webapps)
- iText PDF
Junior JavaEE Software Engineer

Status: Open

Job Summary
We are looking for an exceptionally talented junior J2E Java developer who has a proven record of designing and developing web-based enterprise software and desire to adventure an exciting startup opportunity. The ideal candidate has problem solving skills, a Computer Science or Engineering degree from a reputable University, and experience in software development. Experience in developing and supporting high-volume, multi-tenant, and transactional business software is preferred.

Job Duties
- Work with the development team to develop software which generates PDF documents using the iText SDK. Develop a library of PDF templates that will be used to produce printed copies of nosiness documents such as Purchase Orders, Invoices, etc.

- Work as a hands-on software developer to produce high-quality Java JEE/Rest API for the project following an Agile development approach. Develop and optimize MySQL queries.

- Contribute to the creation requirements documents by participating in requirements reviews and sign-off sessions to confirm understanding and validate business requirements. Use validated requirements to design core software components.

- Draft written test cases as well as automated software test cases to validate requirements. Submit automated software test cases with each software deliverable.

- Work with the other developers as required to integrate the core infrastructure and transaction web applications with the core workflow and configuration components.

Qualifications: 2-3 years of experience developing software using Eclipse-based tools, Git and Maven; 2-3 years of years of experience with Java EE 8 including (CDI, JPA2, EJB3 & Rest) and SQL. Exposure to consuming Rest-based APIs.

Years of Experience: 2-3 years

Degree Requirements: BS in Computer Science. MS in Computer Science preferred. (Engineering and Mathematics degree may be acceptable)

Salary Range: Competitive

Other: Will consider H1B candidates
Interview Questions

Senior JEE Developer

Introduction

- Background on AtWork Systems, Inc.
- Background on the Shared Service Online (SSO) Project
- Have you reviewed the job requirements? Any questions about the job duties?

Experience as Project Manager and Architect

- Describe your experience developing n-tiered architecture for web applications. In which tier are you personally most knowledge.
- Describe your experience with developing Rest-based APIs.

Experience with Open source development tools

- What experience do you have with JBoss Developer Studio, Maven, JBoss AS Wildfly, RedHat Cloud & GitHub?
- Describe your experience with RestEasy? Have you developed APIs based on this framework?

Experience with Java, JavaScript/AngularJS, HTML5

How did you become interested in programming? What was your first professional project using Java. What business problem did it solve? Knowing what you know today, what technical improvement would you make and why?

Describe your experience with JavaScript/AngularJS and HTML5?

What AngularJS framework have you used? If you were selecting a framework, what would be your top 3 o 4 selection criterion?

Experience with EJBs

What is a persistence context .. how is it created.

What is the role of a dao in an n-tiered architecture ... briefly describe 3 or 4 methods that would be required if we were creating a DAO to manage an adjacentList i.e. a hierarchical relationship between the same object

What is an inceptor – how are they most often used?

In the EJB spec there are four enterprise bean types: what are they, how are they used in building web applications?
Ans: Singleton, Stateless, Stateful & Message Driven

Experience with jBPM

Describe your technical experience jBPM. Have you worked with version 6.X.

The Shared Service Online project is an enterprise workflow application that will allow transactions to be approved based on a Delegation of Authority and the Org Structure. Can you briefly describe how you would integrate this functionality into the jBPM framework.

Do you have any questions?
**Introduce the Exercise**: As a follow to our interview, I’m asking all candidates to complete a short development exercise. You will be provided a description of a use case that outlines the requirements. You must complete the exercise in 4 hours or less. When you are ready the exercise will be emailed to you. Once completed, You will submit a project to Github and we’ll schedule a follow-up 30 minute webex for you to present your solution. Do u want to move forward with the exercise?