0.5 Programmer Position @ Mobile & Cloud Lab

Institute of Computer Science, University of Tartu, Estonia

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The Mobile & Cloud Lab at Institute of Computer Science, University of Tartu (UT), is offering a 0.5 programmer position for a student.

In this project, you will implement two software components for Android OS.

(1) *Workflow Executing Engine*. This component can read and execute Business Process Execution Language (BPEL) 2.0 document, which is written in XML format. It should support at least four basic workflow descriptions: `<flow>`, `<sequence>`, `<assign>` and `<invoke>`. If you can find any similar workflow engine for either BPEL or Business Process Model and Notation (BPMN) and you can port it to Android, that is also sufficient.

(2) *Workflow Configuration Manager*. This component can create BPEL or BPMN document based on the given values.

The successful applicant for the position should:
- Familiar with Java programming.
- Familiar with Android OS application development. Related course: MTAT.03.262 Mobile Application Development
- Familiar with XML processing. (Read & Write)
- Understand XML Web services (SOAP and REST). Related course: MTAT.03.229 - Enterprise System Integration
- Understand business process management. Related course: MTAT.03.231 Business Process Management

Applications will be accepted until 2nd October 2014. Successful applicants are preferred to start in October 2014.

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