Short-term software developer position at the University of Sydney node of Alertness CRC

We are looking for a software engineer to develop a web-based Application Programming Interface (API) for communication between a mathematical alertness model written in Matlab and end-user applications. The position can be taken full- or part-time and is suitable for graduate and undergraduate students or for professional software developers. Expected hourly rate is at level HEO 5 with step depending on experience ($47.46-$53.16). Duration of the project is 4-5 weeks at full time equivalent. Desired start in October 2016.

Responsibilities include

1. Design API specifications and develop project timeline in collaboration with interdisciplinary team of researchers and end-users.
2. Develop and test API code according to agreed timeline and in agreement with end-user requirements.
3. Write API documentation for end-users.

Required skills

1. Working knowledge of web service API development (key management, Licensing API, security, log management)
2. Working knowledge of Javascript, HTML, CSS, Jquery.
3. Experience with Java web application development/deployment and with Spring framework.
4. Knowledge of Java IDE (Eclipse, JUnit, Ant, Subversion, github).
5. Should be comfortable to both design and code independently, and propose user-centric design for web page front end.
6. Knowledge of essential web-service deployment on Linux, Unix, windows environment.
7. Self-motivated with strong problem-solving skills.

To apply

Send your CV and a brief response to how you fit the required skills criteria (maximum 1 page) to cindy.guy@sydney.edu.au.

Applications will be considered until the position is filled.