

JOB DESCRIPTION
Vacancy Ref: A1783

Job Title: Research Associate/Senior Research Associate: Secure Software Development by the Masses				Grade: 6/7
Department/College: Security Lancaster Research Centre and School of Computing and Communications				
Directly responsible to: Professor Awais Rashid				
Supervisory responsibility for: None				
Other contacts Internal: Dr. John Towse (Co-Investigator) and other researchers within the project and other relevant projects within Security Lancaster; Members of Security Lancaster (academic staff, RAs, PhD students); associate director of business partnerships for Security Lancaster External: Project partners at Open University, UK and University of Exeter, UK as well as international collaborators.				
Major Duties: <ol style="list-style-type: none"> 1. Undertake research and development necessary to achieve the goals of the project and Lancaster University's responsibilities within the project. 2. Conduct in depth research into understanding developers' awareness and planning with respect to security. 3. Conduct in depth research into developers' security decision strategies and processes and the cognitive biases that shape their programming choices and actions. 4. Conduct in depth research into effectiveness of interventions to support/improve developers' security behaviours. 5. Design and execute studies with developers as required by the research – from completion of research ethics applications through statistical analysis. 6. Take a leading role in evaluation of the research outcomes from the project. 7. Participate in relevant project meetings; prepare and present talks, posters and reports to disseminate the results of the research. 8. Prepare progress reports and project deliverables. 9. Participate in national and international conferences and workshops to present the results of the project to a wider audience and to learn about current advances in the field. 10. Prepare conference and journal papers for publication of project findings. 11. Collaborate with project partners and other relevant stakeholders in the context of the research. 12. Any other duties appropriate to the grade as delegated by the Principal Investigator. 				