



Why do Programmers Do What they Do?

INTERVIEW SCHEDULE

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Research Topic: Why Do Programmers Do What They Do? Investigation of security practices in workplaces.

This research project is being conducted towards partial fulfilment of the requirements for Bachelor of Engineering with Honours in Software Engineering .

General Information

This study is examining how programmers choose to implement security practices in their software programs. I will be interviewing programmers from various backgrounds and job titles ranging from devops-engineer, front-end developer, database administrators and security architects as examples. Participants jobs will all be New Zealand based. Participants can also work across a range programming fields eg. gaming, education, financial, analysis. We will discuss the decisions and influences around the choices of security protocols, how they find working with them, and how they may be improved.

Interview Schedule

This interview will be semi-structured and will include the following topics and types of questions:

1. Participant background – this can include their education, their roles within their organisation and teams, and an overview of the security practices they have previously used, and a discussion on previous experiences with security and privacy protocols.

2. A description of their current security protocols that they regularly use and adopt. Are they adding to them in any way? Do they change languages based on the security practice they use?
3. For the current particular language and security used, how has it impacted the projects they have worked on?
4. How are the security measures that have been implemented tested?
5. What are some success in using the security practice over others? Any lessons learned, or changes made in personal projects and style?
6. What have been problems in projects due to choosing the specific protocol.
7. Any other issues or comments?