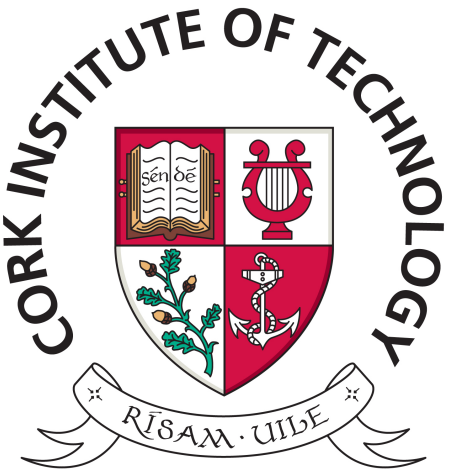

Microservices and Containers

by

Donna O'Shea

This proposal has been submitted in partial fulfillment for the module Computing Research and Practice.

in the
Faculty of Engineering and Science
Department of Computer Science

April 2017

Declaration of Authorship

I, Donna O'Shea , declare that this thesis titled, 'THESIS TITLE' and the work presented in it are my own. I confirm that:

- This work was done wholly or mainly while in candidature for an masters degree at Cork Institute of Technology.
- Where any part of this thesis has previously been submitted for a degree or any other qualification at Cork Institiute of Technology or any other institution, this has been clearly stated.
- Where I have consulted the published work of others, this is always clearly attributed.
- Where I have quoted from the work of others, the source is always given. With the exception of such quotations, this project report is entirely my own work.
- I have acknowledged all main sources of help.
- Where the thesis is based on work done by myself jointly with others, I have made clear exactly what was done by others and what I have contributed myself.
- I understand that my project documentation may be stored in the library at CIT, and may be referenced by others in the future.

Signed: _____

Date: _____

Chapter 1

Research Context

Describe the broad context of the research, including a review of the current state of the art in the topic of the proposed research with references, and the overall contribution which it will make to the general field of research.

Chapter 2

Research Aim

Outline the goal or overarching purpose of the research project.

Chapter 3

Research Objectives

Summarise the key objectives of the research.

Chapter 4

Research Methodology

Outline the goal or overarching purpose of the research project. Describe the methodology to be used in the proposed research and why it is appropriate to the research objectives.

Chapter 5

Work Plan

Present the research work plan, outlining the main research tasks and timing, including a Gantt chart or equivalent.

Chapter 6

Ethical Issues

If the proposed research directly involves human or live animal subjects, discuss the ethical issues involved and the actions that will be taken to ensure compliance with CIT ethics guidelines and with the CIT Child Protection Policy (if children are involved).

Bibliography

[1] C. J. Hawthorn, K. P. Weber, and R. E. Scholten, "Littrow configuration tunable external cavity diode laser with fixed direction output beam," *Review of Scientific Instruments*, vol. 72, no. 12, pp. 4477–4479, December 2001. [Online]. Available: http://link.aip.org/link/?RSI/72/4477/1

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[3] C. E. Wieman and L. Hollberg, "Using diode lasers for atomic physics," *Review of Scientific Instruments*, vol. 62, no. 1, pp. 1–20, January 1991. [Online]. Available: http://link.aip.org/link/?RSI/62/1/1

Appendix A

Code Snippets

Put appendix material in this section e.g. code snippets

Appendix B

Wireframe Models