

STEPHEN FINUCANE

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TECHNICAL SKILLS

Programming

Python ●●●●●
C ●●●●●
Bash ●●●●●
Java ●●●●●

Web Development

HTML ●●●●●
CSS ●●●●●
Django ●●●●●
JavaScript ●●●●●

Devops

Gerrit/Git ●●●●●
Linux ●●●●●
Jenkins ●●●●●

PROFESSIONAL EXPERIENCE

- 1/2015 – present **OpenStack Developer**, Intel Corporation, Shannon, Ireland
- » Development of Network Function Virtualization (NFV) enablement features for Nova compute project, alongside tests for same
 - » Testing and validation of Quality of Service (QoS) and CPU/NUMA affinity features in the Nova compute and Neutron networking projects
 - » Maintainership of Patchwork (<http://patchwork.ozlabs.org/>) patch review tool, with focus on Continuous Integration support
- 7/2013 – 1/2015 **DPDK vSwitch/Open vSwitch Developer**, Intel Corporation, Shannon, Ireland
- » Developed acceleration features for IA-based platforms
 - » Developed and released a test framework for performance and validation testing of aforementioned features. Framework used as a basis for OPNFV vSwitch Performance Characterization Test Framework
 - » Led testing efforts of team, who were in the process of a move towards a continuous integration workflow. Designed and implemented numerous "test jobs", using the Jenkins CI server.
 - » Contributed to development of a performance characterisation test suite for the Data Plane Development Kit (DPDK) Access Control List (ACL) library
- 5/2012 – 8/2012 **Comms & Infrastructure Division Intern**, Intel Corporation, Shannon, Ireland
- » Replicated and documented a Network Interface Controller performance test environment, as provided by another division
 - » Assembled, configured and deployed Customer Reference Boards, producing scripts to automate the process

RELATED EXPERIENCE

- 9/2010 – 5/2013 **Peer Supported Learning Group Leader**, University of Limerick, Ireland
- » Provided support sessions for students undertaking difficult programming subjects/modules.
- 1/2012 – 5/2013 **Lab Supervisor**, University of Limerick, Ireland
- » Supervised labs for a collection of programming modules.

EDUCATION

- 9/2009 – 5/2013 **BEng in Computer Engineering**, University of Limerick, Ireland
- » Subjects studied included Software Development, Operating Systems, Distributed Systems, Active Circuit Design and Computer Architecture.
 - » Final Year Project: “An Investigation into Wireless Sensor Networks and Bluetooth Low Energy” – Supervisor: Dr John Nelson
 - » Final Grade: 1st (3.75 QCA)
- 7/2011 – 11/2011 **Certificate of Proficiency**, Massey University, New Zealand
- » Undertook a diverse selection of modules ranging from Web Development to Control Engineering
 - » Developed paper titled “Smartphones in the Home, An Overview” – Supervisor: Prof. Subhas Mukhopadhyay
 - » Final Grade: pass
- 9/2004 – 6/2009 **Leaving Certificate**, St. John Bosco Community College
- » All honours including A1s in Engineering and Construction. Other Subjects: German, Business, Accountancy, Maths and English

SCHOLARSHIPS & AWARDS

Analog Devices Scholarship

- » Award for outstanding engineering student(s) in Electronic and Computer Engineering

Intel Shannon Paul Whelan Memorial Scholarship

- » Scholarship to increase awareness and encourage a new generation of high-achieving young people to take up the challenge of a career in technology