

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

- 7/2016 – present **OpenStack Developer**, Red Hat, Limerick, Ireland (Remote)
- » Undertook a leadership role within OpenStack as a core developer (maintainer) on the [Compute \(nova\)](#) project, alongside some smaller efforts
 - » Retained a focus of Network Function Virtualization (NFV) and Telco feature enablement within OpenStack, but extended this to include community initiatives around documentation and configuration
 - » Helped drive large, multi-project initiatives, many with a focus on making OpenStack easier to deploy and manage
 - » Represented Red Hat at numerous OpenStack summits and meetups
- 1/2015 – 7/2016 **OpenStack Developer**, Intel Corporation, Shannon, Ireland
- » Developed Network Function Virtualization (NFV) enablement features for the OpenStack Compute (nova) project, including upstream contributions
 - » Validated and further extended CPU/NUMA affinity and Quality of Service (QoS) features in the Compute (nova) and Networking (neutron) projects
- 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. Worked extensively with Jenkins CI server.
- 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

OTHER NOTABLE CONTRIBUTIONS

Patchwork

- » Lead maintainer of Patchwork project, a tool for tracking contributions to development mailing lists (ozlabs.org, kernel.org, dpdk.org)
- » Worked with the Patchwork community to add a REST API, support for patch series, and continuous integration hooks, and to release Patchwork v2.0

Open vSwitch

- » Worked with the Open vSwitch community to develop and deploy the documentation site now found at docs.openvswitch.org

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

TALKS & PRESENTATIONS

Mailing List, Meet CI, [FOSDEM 2017](#)

- » A demonstration on building a continuous testing system with a combination of Patchwork and an off-the-shelf, open source CI system

Accelerating Your Cloud With DPDK, [BrightTALK](#)

- » An overview of the state of OVS-DPDK integration with OpenStack

A New Patchwork, [FOSDEM 2016](#)

- » An outline of what the community had planned for the as then unreleased Patchwork 2.0

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