

Ian Duffy

Cloud Engineer



hello@ianduffy.ie +353861770680 <https://ie.linkedin.com/in/imduffy15>

Dublin,
Ireland

Obsessed with cloud, automation and opensource. On and off for three years' in-between college I've worked in this space. I love working on multidisciplinary teams that are populated with really smart, hard working, passionate people who utilize collaboration to effectively deliver results.

EXPERIENCE

Oct 2016

Aug 2015

Contractor / Platform Engineer

Allied Irish Banks

Worked on providing a Platform as a service and Continuous Delivery capabilities on top of Openstack, AWS and Azure by bringing together many opensource utilities such as: Opscode Chef, HashiCorp Terraform and Packer, Jenkins and ElasticSearch.

July 2015

Aug 2015

Software Development Engineer

Amazon Data Services

Worked for a very brief amount of time in the CloudWatch team responsible for the aggregation and storing of historical log data. Resigned quickly due to a negative working environment, atmosphere, culture and unhealthy life/work balance.

June 2015

Sept 2013

Apache Project Management Committee and Committer

Apache Software Foundation - CloudStack

Apache Cloudstack is Opensource software designed to deploy and manage large networks of virtual machines, as highly available, highly scalable infrastructure as a Service cloud-computing platform.

My role as a PMC member and committer involved participating on mailing lists, software development, assisting with product growth and community, voting and testing new releases.

During this time, I developed continuous integration systems for the project using TravisCI, wrote proxy API interfaces to expose AWS and GCE compatible APIs, Utilized Vagrant and Chef to automate the creation of a CloudStack cloud for development purposes, and wrote an LDAP authentication plugin.

Sept 2014

April 2014

Cloud DevOps Engineer

PaddyPower

I assisted a team in building continuous integration and continuous delivery for internal development teams.

Developed a RESTful API using the Spring Framework. This API supplied data to an application deployment service that was responsible for orchestrating and configuring virtual machines.

Developed a web front end for the API using AngularJS. This enabled users to easily define and deploy their services and applications.

May 2013

Sept 2012

Lab tutor

Dublin City University

Provided programming tutorials and labs to various first year students who were learning Java for the first time. Along with this, I assisted with running and correcting lab exams.

PROJECTS



CarCloud

DCU Final Year Project

CarCloud is a mobile and web based application that focuses on supplying car owners with access to trip information and enables them to set alerts for specific trip events. This was displayed as points on a map, each point having various metrics associated with it, including speed, RPM, mileage, stopping time, etc.



DCUTT

Spare time project

DCUTT is a mobile web application that supplies easy access to the DCU timetables. The application frontend is created using AngularJS, it sends user course codes back to a mediator/caching layer that is responsible for acquiring and formatting timetable from DCU's limited data sources.



Automated Apache Cloudstack Environment

Google Summer of Code 2014 – Apache Cloudstack

This project involved using chef and vagrant to automate the creation of a Cloudstack cloud.

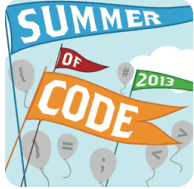
The end result provided developers with a straight forward, fast, and easy way to virtualize a full Cloudstack cloud on their machine.



Google Compute Engine (GCE) and Amazon web services (AWS) compatibility interface for Apache Cloudstack

DCU Third Year Project

Developed a compatibility layer enabled users of a CloudStack cloud to use utilities created for GCE and AWS against their CloudStack cloud. The compatibility layer sits on-top of the Cloudstack API and translate requests from GCE and AWS clients into Cloudstack API calls.



LDAP authenticator for Apache Cloudstack

Google Summer of Code 2013 – Apache Cloudstack

This feature involved extending the Cloudstack authentication engine to support LDAP as a backend for authentication. Additionally to this, it provided administrators an automated way to provision their LDAP users onto their cloud.

EDUCATION

Dublin City University

B.Sc in Computer Applications

Throughout my time in DCU I maintained a first class honours (1.1) grade for every academic year.