

## Summary

Developed numerous programs at home, college and during my Internship using a variety of programming languages, in particular Java, also have customer-facing experience and valuable team-working experience gained in commercial and college settings.

## IT Skills

- Associate Java SE 7 Programmer 1
- Intermediate C++ programmer
- Create SQL queries, procedures and functions for an Oracle Database.
- Design and create database schemas
- Capable of designing developing websites using Dreamweaver, JavaScript, CSS and HTML
- Design build and troubleshoot a network using routers and switches
- Design, query and build data analytic dashboards within Splunk

## Education and Training

### BSc Computing

**2013– To date** Institute of Technology Tallaght

**3<sup>rd</sup> Year Modules studied**, Advanced Databases (**A**); Web Design & Development 2 (**A**); Algorithms and Data Structures 1 (**B+**); Operating Systems (**B+**); Cloud services and distributed computing (**B**); Innovation & Entrepreneurship (**B**)

**GPA** 3.50/4.00 (First Class Honours)

**2<sup>nd</sup> Year Modules studied**, 2nd Year Project (**A**); Software Development 4 (**A**); Management Science (**A**); Networking 2 (**A**); Object Oriented Analysis & Design (**A**); Information Security (**A**); Software Quality Assurance & Testing (**A**); Software Development 3 (**A**); Database Design & Programming (**B+**); Networking 1 (**B+**); Web Design & Development (**B+**) Discrete Mathematics 2 (**A**)

**GPA** 3.88/4.00 (First Class Honours)

### Oracle Certified Associate Java SE 7 Programmer 1

**Completion May 10<sup>th</sup> 2012** Oracle/ Dara Linn/ Fas

### Level 5 BETEC Higher National Diploma Music Technology

**2005-2007** Ballyfermot College of Further Education

### FETAC NCVA Music Technology & Performance

**2004-2005** Kylemore Music Technology College

### City & Guilds Sound Engineering Part 1 & Part 2

### City & Guilds Advanced Sound Engineering Part 3

**2002-2004** Pulse Recording College

## Significant Projects Undertaken

### **Splunk-Data-Enricher (SDE) Internship Project Fidelity Investments**

<https://gitlab.fmr.com/a585166/Splunk-Data-Enricher>

<https://ribbit.fmr.com/docs/DOC-715079>

SDE is a tool that helps to add more meaningful information to your events within Splunk. Splunk provides a lookups feature that allows you to reference fields in a csv file. SDE helps you build these csv files by collecting its data from People Central. SDE was developed as a solution to the removal of the Splunk LDAP add-on. Many of our Dashboards relied on the data provided by the LDAP add-on and so a replacement was needed. Because it can be time consuming compiling all of the required details of every user into a csv file the SDE is designed to provide an auto-generated csv file to be used as a lookup in Splunk. SDE takes in a list of corporate IDs and returns a csv file based on your chosen attributes from the People Central Data Dictionary.

#### **Challenges faced:**

- Working with new and unfamiliar technology REST Endpoints, Splunk SDK, People Central DQS
- Learning company specific security and authorisation constraints

#### **Technologies & Tools Used:**

Java, Maven, People Central DQS, Splunk SDK, Splunk, Jira and Stash

### **2<sup>nd</sup> Year Project**

<https://github.com/AFog/Senond-Year-Project.git>

A group project involving the development of a persistent retail web application, where users could create sessions edit/modify account details stored on a local database. Features included encrypted account authorization and privileged administrative access, input validation, data modification and updating. We were the first and only 2<sup>nd</sup> year group to undertake the project using the Play Framework.

#### **Challenges faced:**

- Creating a user session
- Working with an unfamiliar technology (Play Framework)
- Time management and version control

#### **Technologies & Tools Used:**

Developed in a MVC architecture, Play Framework, Java, Dreamweaver, CSS, HTML and JavaScript

### **Personal Software Development**

<https://github.com/AFog/Quest.git>

I enjoy the challenge of problem solving and working on new projects. I have developed a Branching-Path game in Java called Quest. Initially written during my first Java course using simple switch statements. I later refactored the code from around 1200 lines to 450 lines of code by simplifying the control statements and classes. I am currently developing it for the Android platform.

## Employment

### Fidelity Investments

Trainee Software Engineer Developer *26<sup>th</sup> Jan 2016 – 9<sup>th</sup> Sept 2016*

As part of the Mobile Atlas Team I was tasked with designing and developing the Splunk-Data-Enricher. I was also in charge of developing and maintain the teams Splunk App dashboards. I also refactored code within Fitness as part of the QA team.

### Get Fresh Fruit & Vegetables store

Customer Service part-time *2013 – 2015*

I managed stock control and orders, delegated tasks among staff and provide a friendly customer service to handle any queries or requests.

### Smock Alley Theatre

Technical staff January *2010 – May 2012*

As one of two in house technicians my responsibilities were diverse. I was required to fulfill the roles of sound engineer, lighting technician, general manager and chaperone to clients and companies. I was part of a team that maintained the up-keep of the building and ran regular equipment servicing. In a position with many roles I was regularly expected to perform above and beyond the call of duty to meet all clients' expectations and needs.

## Hobbies and Interests

**Art & Design:** When I get a chance I like to spend time sketching and painting or designing in Photoshop.

**Music:** I like to write and record music, and play guitar and piano in a group with friends once a week.

**References Available on request**