

Adam Kielthy

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SUMMARY

Developed Programs in college In Java and SQL, And Python in my internship. Final year Computing student with IT experience and strong interpersonal skills, including a strong ability to work as part of a team, seeking graduate position.

IT SKILLS

- Advanced knowledge of Java And SQL
- Beginner Python, C# and C++ Knowledge
- Good Typing skills
- Comfortable using both Windows and Linux Operating systems
- Word Processing and spreadsheets
- Database design and management
- Good knowledge of the Cisco IOS command set

EDUCATION & QUALIFICATIONS

2013 – to-date **BSc Information Technology Management**

Institute of Technology Tallaght, Dublin 24

1st Year Modules studied: Operating Systems Fundamentals (**B+**), Database Fundamentals (**A**), Statistics (**A**), Social Media Communications (**A**), Object Oriented System Analysis (**A**), Software Development 2 (**A**), Learning to Learn at 3rd Level (**B+**), Discrete Mathematics 1 (**A**), Business & Information Sys (**B+**), Fundament of Interface & Web (**A**), Computer Architecture (**A**), Software Development 1 (**A**)

2nd Year Modules studied: Information Security (**B+**), Object Oriented analysis & Design (**B+**), Management Science (**A**), Networking 2 (**A**), 2nd Year Project (**A**), Software Development (**A**), Web Design And Development (**B+**), Discrete Mathematics (**A**), Database Design & Programming (**A**), Networking 1 (**A**), Software Quality Assurance & Testing (**A**), Software Development 3 (**A**)

3rd Year Modules studied: Web Design & Development (**B**), Algorithms & Data Structures (**B**), Cloud Services & Distributed Computing (**B**), Operating Systems (**A**), Advanced Databases (**B+**), Innovation & Enterprise (**B**), 3rd Year Project (**A**), Experiential Learning (**B+**)

SIGNIFICANT PROJECTS UNDERTAKEN

Cinema Ticket Booking System

Description

As a team we built a Cinema system for use by both Customers and Cinema staff, allowing multiple users to book/cancel tickets at a time. Features included Register/Login, Password encryption, Adding Films and assigning them to screens, Creating and cancelling tickets and comprehensive sales statistics displayed in charts.

Challenges faced:

- Linking our Java application to the Oracle database
- Designing the class structure to reduce code repetition.

Technologies & Tools Used:

Java, Java Swing and SQL (With an oracle database)

Skype Notification Bot for Jenkins**Description**

This was a tool built using both bash and Java, which provided automated Skype messaging functionality to Jenkins jobs. This removed latency in the patching of build breaking bugs by messaging team leaders.

Challenges faced:

- Designing the application despite the removal of the public Skype API.
- Integrating Jenkins with Skype

Technologies & Tools Used:

Java, bash scripting, Jenkins, VNC.

WORK EXPERIENCE

June 2015 – July 2015 Python developer Intern Teck Ireland

Company Description: Teck is a mineral exploration company. <https://www.teck.com>

Main ResponsibilitiesPython Development

My main role was writing a variety of python scripts (Including ArcPY), including generating maps of Prospecting Licences (PLs) based on data from The Exploration and Mining Division of the Department of Communications, Energy and Natural Resources, importing Feature classes from a Enterprise Geodatabase and saving them to a local gdb and saving the data from these maps to excel spreadsheets.

Mobile Data Collection

I also set up a rugged PDA to be used for Data collection in the field, this device used windows mobile and ArcMap Mobile, I also wrote multiple scripts to automate syncing the device to a windows laptop, display collected data on maps and also output spreadsheets displaying new data.

Both the Python scripts and PDA are still in use in the company and have been very beneficial, saving many man hours.

WORK EXPERIENCE

February 2016 – Present Product development Intern Openet.

Company Description: Openet are a software vendor and solutions provider for telecommunications companies all over the world.

<https://www.openet.com/>

Main Responsibilities

Product demo automation

I was responsible for the automated building of product demos for potential customers. This laborious process became trivial with the use of Jenkins and bash scripts

Skype Notification bot for Jenkins CI

As part of my internship I build a tool to notify team leaders of Jenkins job failures over Skype.

INTERESTS & ACHIEVEMENTS

Interests

- Kayaking, Pool, Snooker, Auto Sports, Technology

REFERENCES

Available on request