Peter Brady

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SUMMARY

4th year Computer Science (with Software Development) student, expecting to graduate with a 1.1 Honours Degree, with relevant employment experience and strong interpersonal skills seeking a graduate or junior position. Have developed numerous programs in college using Java, C++, C#, SQL and NoSQL. As well as 7 months' work experience with LMI Ericsson as a software engineer intern. I also have a lot of customer-facing experience, problem solving, task management and gained valuable experience in a commercial setting during my employment prior to commencing college with O'Doherty's Audio and Video Productions. I am looking for a graduate or junior position with a view to utilizing the opportunity to enhance my skills, experience and knowledge.

IT SKILLS

- Confident user of Java, C# and SQL and NoSQL databases.
- Can write SQL queries to intermediate level using Oracle 11G and MYSQL.
- Can design and create database schemas.
- Capable of designing, developing and deploying websites using HTML, CSS, JavaScript, Angular JS and Twitter Bootstrap.
- Design, developing and testing Android applications.
- Competent user of Windows and Linux Operating Systems in system administration and command line interfaces.
- Design build and troubleshoot a network using routers, switches and hubs.
- Configure a router using the Cisco IOS command set.
- Design programs using object orientated systems analysis and design.
- Software quality and testing techniques such as Black and White Box testing and developing unit tests.

EDUCATION & QUALIFICATIONS

2013 – to-date *BSc (Honours) in Computing*
Institute of Technology Tallaght, Dublin 24
1st Year Modules studied, Software Development 1 **(A)**; Computer Architecture **(B+)**; Fundamentals of Interface and Web Design **(B+)**; Business and Information Systems **(B-)**; Discreet Mathematics **(B+)**; Learning to Learn at 3rd Level **(B-)**; Software Development 2 **(A)**; Object Oriented Systems Analysis **(B+)**; Social Media Communications **(A)**; Statistics **(A)**; Database Fundamentals **(A)**; Operating Systems Fundamentals **(B);**

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

3rd Year Modules studied, Algorithms and Data Structures 1 **(B+)**; Advanced Databases **(B+)**; Operating Systems **(B+)**; Web Design and Development 2 **(B+)**; Innovation and Entrepreneurship **(B)**; Cloud Services and Distributed Computing **(B-)**; Experiential Learning **(PASS)**; 3rd Year Project **(C+)**;

4th Year Modules studied, Enterprise Performance Architecture (**B+**); Enterprise Application Development 1 (**B-**); Information Management (**B+**); Interactive Media Design (**B+**); Social Media Analysis and Information Integration (**B+**); Enterprise Application Development 2 (Due June '17); Enterprise Database Technologies (Due June '17); Computational Theory (Due June '17; Algorithms and Computations (Due June '17); 4th Year Project (Due June '17);

Significant Projects Undertaken

2nd Year Project – Bowling Alley Booking System

Description

Led a group project of four people which involved the development of a front end java application that stored information to, and retrieved information from a backend database. Features included account login and authorization, checking for availability at a particular time for any number of customers, create and store bookings if they passed the availability checks, update the graphical user interface to reflect any changes to the database, add members and staff with or without administrative access.

Challenges faced:
- Ensuring that bowling lanes could not be double booked at the same time
- To check the availability of bowling lanes for any number of customers

Technologies & Tools Used:

Java, Oracle Database 11g express, GitHub.

3rd Year Project – Web Search Engine

Description

A search engine website built using Java, Swing and SQL. The search engine web crawled a number of popular search engines such as Google, Yahoo, Bing and DuckDuckGo. It then used an algorithm to compare and remove any duplicate URL's which occurred in the result set, then sorted the results based on the search terms and keywords returning this to the GUI for the user.

Features included user and admin login. Users could preset and save their preferred search sites and admin could add a new site to the program.

Challenges faced:
- Ensuring the program returned the correct div's, spans etc. for each result
- Organizing and sorting of results was accurate

Technologies & Tools Used:

Java, Swing, MYSQL and GitHub.

4th Year Project – Android Fuel Logger Application (Ongoing)

Description

A fuel and maintenance cost tracker application for Android phones built using Java, XML, NoSQL and JavaScript, that allows the user to maintain a record of details when they refuel their vehicle. The data is stored in a real time cloud database allowing easy data retrieval upon login authorisation. Car data is auto retrieved from a web API upon the entry of a valid car registration and other inputs allow for camera or voice inputs. Service station location and name are auto retrieved using GPS and added to the records upon refuel data being entered. App can be used to generate graphs to display monthly costs and other statistics such as mileage covered and miles per gallon.

Features included multiple vehicles can be added to the application (maximum of 2 before payment required), tracks vehicle service history providing reminders when an upcoming service is due, auto calculates vehicles mpg when vehicle is filled using miles travelled and amount of fuel consumed, data file auto syncs with cloud storage account, generates graphs to track monthly costs and fuel efficiency of vehicles, locate nearby service stations and display on Google Maps.

Challenges faced:
- Adjusting to Android development in a short time frame.
- Implementation of many different API's
- Developed each aspect in standalone applications and migrating these into the main application.

Technologies & Tools Used:

Java, XML, NoSQL, JavaScript and GitHub.

EMPLOYMENT HISTORY AND WORK EXPERIENCE

February 2016 – August 2016   Software Engineer Intern   Ericsson Ireland

Company Description: Ericsson are a multinational networking and telecommunications company headquartered in Stockholm, Sweden. The company offers services, software and infrastructure in information and communications technology (ICT) for telecommunications operators. Their Irish campus is based in Athlone, Co Westmeath.   http://www.ericsson.tv

Main Responsibilities
- Responsible for the development of the BOAT tool, which is a Java, Swing and SQL based tool used by customer support to track customer service requests.
- Duties included gathering requirements, coding, testing, documenting and the delivery of software at set intervals.
- Good communication skills were required working in a team environment, listening to and understanding the features and requirements needed by the customer support team. Often worked under pressure on challenging features to meet demanding deadlines.

December 2013 – Present   Shop Attendant / Kitchen Porter   Murphy's Bar, Blessington

Company Description: Murphy's bar is a family run pub located on Blessington's Main Street. Located on the N81 route, Murphy's provides food and drink to a busy passing trade as well as local residents of Blessington. Adjacent to the pub is Wonka's sweet shop which sells a wide range of old fashioned sweets as well as balloons and party decorations.   http://www.murphysbar.ie/

Main Responsibilities
- Keeping onto top of a busy trade by keeping plates and cutlery washed and stocked for the chefs.
- Operating the cash register and distributing sweets, balloons and party decorations to customers.
- Good communication skills with customers and other staff.

September 2006 – August 2013   VT Technician   O'Doherty's Audio and Video Productions

Company Description: ODAV are a family owned outside broadcast company specializing in the production and broadcasting of Irish horse racing. Based in Clondalkin, Dublin 22. O'Doherty's were the main televised provider of Irish racing to the racetrack, SIS and At The Races. O'Doherty's also provided the public address at Irish racecourses. Alongside with racing, O'Doherty's have also done many main events in Ireland including the St Patrick's Day parade, the Carrol's Irish Open Golf, Fianna Fail Ard Fheis, concerts in the National Concert Hall, Slane and many more.   http://www.odav.tv

Main Responsibilities
- Good communication skills were required working in a team environment and also when it came to dealing with the clients of the company. Often worked under pressure to meet demanding deadlines in a tight timeframe and this brought out the best of my problem solving skills.
- Job entailed travelling all over Ireland on a near-daily basis, and the recording of live races onto various different media formats. Creatively weaving together visual and audio materials created during the production process of a horse race, and combining them with other media, graphics, subtitles, archive footage, etc., to create a variety of final products for purchase by owners and trainers of the horses involved in races. I digitized this media and made copies for future sale and archive record.
- Often I was required to work in other areas such as vision mixing / directing, sound engineering or as a camera operator so adaptability and flexibility was an invaluable attribute.
- Used oscilloscopes and audio meters, reading TV and video signals, and understanding how they work. I have good knowledge of compression, and I am able to utilize VT Recorders (VTRs) in normal and abnormal settings. I managed equipment and identified faults, resolving these faults with appropriate solutions, I fixed things quickly and correctly.
- This job demanded extreme level of work during busy periods, in all type of locations and weather conditions.

INTERESTS & ACHIEVEMENTS

Sporting
- Wicklow GAA under 16 league winner medal.
- Keen follower of many sports especially rugby, football, Formula One, darts and tennis.

Professional
- Student prefect in 6th year while a student at Naas C.B.S.
- Full Irish Driving License.
- Promotion to head of VT department in ODAV in 2008.
- Established good working relationships with customers / clients.
- Developed and implemented new concepts for archiving the major race meetings onto broadcast formats over DVD.

REFERENCES

Paul Johnston
Director.
O'Doherty's Audio & Video Productions Ltd.
Phone: +353862567912

Elaine Casey
Bar Manager,
Murphy's Bar, Blessington.
Phone: +353876534637