Katrina Murphy

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IT SKILLS

- Confident developer in Java and Python.
- Can write SQL queries.
- Can design and create database schemas.
- Capable of designing developing websites using Django, JavaScript, CSS and HTML5.
- Can analyse data using tools like Excel, Tableau and Python.
- Can analyse and design systems using UML.
- Competent user of Windows and Linux Operating Systems in system administration.
- Design build and troubleshoot a network using routers and hubs using related tools.
- Configure a router using the Cisco IOS command set.
- Administer an Oracle 11G database server using Enterprise Manager and related SQL commands.
- Can write scripts in Powershell and Python.
- Have used cloud environments like Azure and AWS during my course.

EDUCATION & QUALIFICATIONS

2020 – 2024 *BSc in Computing with Software Development*
Technological University Dublin Tallaght Campus

Significant Projects Undertaken

Hotel Booking System

Description

A team project involving the development of a website using Django that serves as a hotel booking system, where multiple users could add, edit and delete rooms, accounts and reservations to the database. Features included account authorization, full back-end use of the site and a mostly complete front end that allows guests to the site to view rooms and dates, and account holders to make reservations.

Challenges faced:
- Finding a way to create reservations in the database
- Completing all of the front end code done in time

Technologies & Tools Used:
Python, HTML, CSS, JavaScript and SQL

WORK EXPERIENCE

January 2023 – August 2023   Software Intern   Fidelity Investments
Company Description: American Financial Investment company that specialises in spaces such as financial advice, personal investing, workplace investing and so much more

Main Responsibilities:
Learning from my team in all areas that they work in including QA, Software Engineering, System analysis and Business analysis using technologies such as Java, Angular, Maven, Git etc.

June 2022 – December 2022   IT Assistant   DC Controls

Company Description: Specialists in the installation and maintenance of BMS Systems using Innotech, Cylon, Trend etc.   http://www.dccontrols.ie

Main Responsibilities:

Programming the controllers that would be installed in the BMS panels. I was also given the responsibility of updating the website. It is currently not live yet.

June 2018 – June 2022   Receptionist   Citywest Hotel

Company Description: Citywest Hotel is the biggest hotel and conference center in Ireland

Main Responsibilities:

Checking in and out guests, answering the phones and any queries guests had, managing guests and other staff

INTERESTS & ACHIEVEMENTS

Personal

- I have been doing Kenpo Karate for the past 10 years and I have my senior black belt. I have also helped to teach karate to many kids
- I am a Scout leader for the Cub Scout section

Professional

- Co-founder and Secretary of the WiSTEM Society for TU Dublin and PRO for the LGBTQ Society
- I am BICs rep for TU Dublin for last year
- Attended the Amazon Summer Insights event and subsequent mentoring classes
- Attended the Workday Future Women in Tech 2022
- Volunteered to run first year support classes while in my 2nd year of college
- Volunteered with CSInc running summer camps for secondary students and assisted in their summer project that involved converting a course from Berkley University into a new format
- Won a Tech4Her Scholarship from Huawei in 2022

REFERENCES

Available on request