Tadhg Keegan

tadhgkeegan@gmail.com | +353 85 120 3824 | 12 Limekiln Green, Dublin 12

IT Skills:
- Highly adept in Java and Python programming.
- Competent in designing and developing websites using JavaScript, and Django.
- Efficient in writing SQL queries with experience in Oracle Apex.
- Experienced in team communication and enjoys collaborative problem-solving.
- Proficient in network topology design, configuration and troubleshooting using Cisco Packet Tracer.
- Capable in designing efficient databases schemas.
- Adept in data analysis and creating visual representations.

Education:

(2021 – Present) BSc Hons in Computing with Software Development | Technological University Dublin

3rd Year Modules: Operating Systems **(C);** Cloud Service & Distributed Computing **(C+);** Server-side Web Development **(B-);** Big Data Technologies **(B);** Data Structures and Algorithms **(B);** Data Analysis **(B);** Internship **(Achieved).**

2nd Year Modules: Software Development 3 **(A)**; Software Quality Assurance and Testing **(A)**; Advanced Database Technologies **(B+)**; Network Fundamentals **(B)**; Client-Side Web Development **(B+)**; Discrete Mathematics 2 **(B+)**; Software Development 4 **(D)**; Project **(B)**; Data Administration and Analysis **(C)**; Routing & Switching Essentials**(B)**; Information Security **(D)**; Management Science **(C)**.

1st Year Modules: Visual Design and Used Experience **(A)**; Computer Architecture **(B+)**; Business & Information Systems **(A)**; Systems Analysis **(B+)**; Software Development 1 **(B+)**; Critical Skills Development **(B);** Operating Systems Fundamentals **(B)**; Discrete Mathematics 1 **(B)**; Software Development 2 **(B)**; Social Media Communications **(B)**; Database Fundamentals **(B).**

Certificates:
Nvidia DLI Certificate - Fundamentals of Deep Learning
AWS Public Cloud Computing Certificate (Currently Achieving)

Final Year Project:

I'm currently developing an advanced home security system that leverages AI technology with real-time video analysis and object detection. The system identifies unusual activities, monitors pets and children, and provides customizable alerts and notifications, ensuring comprehensive home security and user-friendly operation.

Employment Experience:

(June 2024 – August 2024) South Dublin County Council | Technical Support Intern

During my time in the council, I was on the end user support team, which allowed me to gain comprehensive knowledge of all systems and software in use. I was responsible for troubleshooting and guiding users through issues. I collaborated closely with the applications development team during launches, staying updated on bugs and new fixes. I managed user permissions via Access Rights Manager (ARM) and oversaw company devices through Microsoft Intune. Additionally, I handled the setup and management of devices and accounts for new staff and managed the deployment of Windows 11 upgrades across the organization.

Skills Required:
- Ability to collaborate with teams.
- Effective communication and guidance skills.
- Technological Literacy/knowledge of Systems
- Understanding and managing instructions.
- Troubleshooting network/application issues.

(March 2024- May 2024) CSinc, TU Dublin | Research Intern

As part of the CSinc research group, which focuses on computer science education at the secondary level, I contributed to a textbook centred around SQL and Oracle Apex. My responsibilities included writing new chapters and editing existing ones. I created and tested questions and sample code, reporting all content and receiving feedback before inclusion in the final version. I also organized a hackathon attended by TU Dublin students and an Oracle Developer, providing a practical and engaging learning experience. I was tasked to process data collected from the research group's surveys conducted after events. The visualizations and findings were presented regularly. This Contributed to a European project known as RAD Skills.

Skills Required:
- Extensive knowledge of SQL.
- Ability to research new topics from multiple sources.
- Usage of LaTex Markdown language.
- Experienced in coding problems and Projects for students.
- Data analysis and creating/presenting visual representations.

(May 2020 – September 2023) BroadPK Engineering LTD | General Operative

BroadPK Engineering is an electrical sub-contracted company based on many construction sites across Dublin. I've worked on various major construction sites across Dublin, (including Amazon Datacentres, Facebook Datacentres, Leixlip). Working hours consisted of 7am – 6pm, including weekends.

Skills Required:
- Leadership / Team management.
- Adherence to demanding work hours.
- Following strict health and safety precautions.
- Adaptability to work with resources available.

(December 2022 – March 2023) LetsFurnish LTD | General Operative / Web Developer Experience

LetsFurnish is Ireland's fastest growing residential furniture fit out service provider. While working as a general operative I was approached to design a website to sell leftover stock to the public. This was done using Django framework, Python, HTML5, and JavaScript. The project was finished, but never launched due to a change of plan on the website.

Skills Required:
- Time Management
- Working as part of a big team.
- Communication in a high-pressure environment.
- Interacting with clients and addressing specific needs

Interests and Achievements

Sporting:
- Member of St. Judes GAA since 2007, competing in Dublin Division 1 Gaelic Football and Hurling and playing 2 years of minor in both sports.
- Won Dubin Division 2 Hurling in 2019.
- Competed in Trials for Dublin Football and got through to the final stages.

Professional:
- Attended the AWS / TU Hospital Hackathon 2022(4th) and 2024
- Attended the NVIDIA Fundamentals of Deep Learning course held in the college and received a certificate.
- Currently Achieving the AWS Certified Cloud Practitioner exam

Volunteering:

I have coached multiple GAA camps for young children at my club during Easter and Summer breaks. Teaching them the basics of hurling and football and creating a fun environment.

References

Mr. Paul Hughes

Project Manager of BroadPK Engineering LTD

+353 85 289 1098