

# Dylan Nelson

8 Castle Village Woods  
Celbridge,  
Co. Kildare,  
W23DT91,  
Ireland  
**0879539619**  
[dylannelson919@gmail.com](mailto:dylannelson919@gmail.com)

## EDUCATION:

### BSc (Hons) Computing with Software Development

— Technological University Dublin, Tallaght Campus

2nd Class Honors Grade 2 (2:2)

(Results available if required or check my CV website above)

### 4th Year Modules results:

#### Semester 1:

- Enterprise Application Development (C);
- DevOps: CI & Deployment(A);
- Interactive Media Design (C);
- Enterprise Performance Arch(B+);
- Information Management(C+);

#### Semester 2:

- Algorithms & Computation(C);
- Enterprise Application Development 2 (C);
- Architecting Public Cloud (B);
- 4th Year Final Project (B-);
- Computational Theory(B-);

## EXPERIENCE:

### EirGrid Group, Dublin— *IT Graduate*

#### September 2021 – Current

- Graduate IT Project Manager: June 2022 – Current
- Graduate Applications Developer: Sep 2021 – June 2022

### EirGrid Group, Dublin— *Application Developer(Intern)*

#### January 2020 - August 2020 (8 months)

-I worked full-time in EirGrid for 8 months as part of our college Internship. I was placed on the application development team and my main duties included working with databases using SQL Developer and ODI. It also included projects using PowerShell. During this internship I collaborated with many people and communicated across teams including with our partner company SONI ltd.

## PROJECTS UNDERTAKEN:

### EirGrid Group

#### Description:

- A specific program did not run, and it ended up not updating over the whole weekend and there was no way for anyone to know it had failed. My job was to create an alert system using ODI to monitor whether it was updated or not. It ran and checked every 60 minutes. The 2 outcomes where that is will have updated and the timer for it to check again restarted or if it didn't update which then causes: an email alert system to be sent out to 2 teams, one of which was the business team and the other was 24/7 team just in case it was out of hours. It also included a fail- safe where if not only did the specific program did not run but also my program didn't(I.e. CONNECTION TO DATABASE LOST) that it would send an email to our team to fix it.

#### Challenges faced:

- Time Management
- Difficulty getting approval for access to all the databases needed.
- Learning the new program style.

#### Technologies & Tools Used:

- ODI + SQL Developer

## ONLINE CV (WEB DESIGN):

<https://dylannelson99.github.io/>

## LANGUAGES/TECHNOLOGIES USED:

- Java + Python + C# + C++
- Rust + React(React-Native)
- JavaScript + HTML + CSS
- SQL + ODI + PowerShell
- Azure DevOps + GitHub
- Android Studio + Firebase
- DevOps CI/CD

## LANGUAGES:

- English
- Irish

## REFERENCES:

-EirGrid Group, Dublin  
0872327973  
(Dermot Barry – Head of IT Portfolio and Engagement)

-EirGrid Group, Dublin  
087 418 5868  
(Uinsionn O'Connor – Team Lead Application Developers)

## INTERESTS:

- Attended the Amazon AWS evening.

- Attended a HubSpot seminar on networking and web development.

- Went to a De/Coder OpenNet 2019 competition where we used robocode to code bots as a part of a team of 4.

-App development and deploying apps online.

## **College,**

### **Expense Tracker : Android Mobile App(4th Year)**

#### **Description:**

My Project is an Expenses tracker which tracks the income and Expenses of the user. This is an android mobile app that will be released on the google play store. This has a login page so that you can create an account and if you ever lose your mobile or need to swap you will still have all your old months of expenses. This collects the data and puts them into a clean and easy to understand graph. This shows how much you have spent and what you have spent it on. I have a camera function in it where this can photograph evidence of a receipt or invoice if needed at a later stage.

#### **Challenges faced:**

- Challenges with azure pipelines and sonar cloud.
- Workload balance with other college assignments and part time work.
- The big one was time management and making sure I stayed on track and never missed a deadline.

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

- Android Studio / Firebase
- Azure DevOps / GitHub
- Java
- Sonar Cloud Analysis

### **E-commerce Website(Vintage Vinyl Store)**

#### **Description:**

-A team project involving the development of an Ecommerce file system, where multiple users could create an account, log in and make purchases. Also having an admin account which could edit all the website's content. Worked in an agile environment as we had to report to a supervisor each week.

#### **Challenges faced:**

- Finding a solution for multiple users saving changes to the same file
- Deciding what type of layout to design
- Creating a Database

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

-JavaScript, Play Framework, Azure DevOps, GitHub, SQL Developer, HTML, CSS, and external payment system(Stripe), Oracle VM.

#### **SOCIAL:**

##### **-LinkedIn:**

<https://www.linkedin.com/in/dylan-nelson-076841159/>

##### **-GitHub:**

<https://github.com/DylanNelson99>