PAUL LONG

# PERSONAL

**INFORMATION**

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# ACADEMIC

**QUALIFICATIONS**

**2019-2024 Munster Technological University:** Full Time, Bsc(Hons) Software Development

**Final Year:** Second Class Honours Grade 2

**Third Year:** Second Class Honours Grade 1

**Second Year:** Second Class Honours Grade 1

**First Year:** First Class Honours

### Core Modules

* Data Analytics: 88
* Linear Data Structures and Algorithms: 86
* Mobile App Development: 85
* Modular Programming: 75
* Object Oriented Programming: 70
* Operating Systems: 75
* Requirements Engineering: 75

### 2013-2019 Christian Brothers College Leaving Certificate 435 Points

## Languages

Java, Javascript, React, Python, C, C#

## Servers/Tools/Platforms

Visual Studio, GitHub, Docker, Apache Netbeans, Eclipse, NodeJs, SQL Workbench, AWS, Cloud Firestore, Justinmind, Pycharm, Intellij, Spyder, Android Studio, Webstorm, Visual Paradigm, Trello, JDBC, JPA

## Databases

SQL, SQLite, MongoDB, Neo4J, Firestore, DynamoDB

## Operating Systems

Windows, Linux

# PROJECTS

## 3rd Year Placement Project – Dell Technologies

Developed a RESTful back-end application in Java

Created front-end user interface using React and Axios

Used GitHub to push new code & monitor versions

Used Docker and Jenkins when deploying final version

Application is now used on a daily basis by engineering teams

Utilized VSCode, Eclipse, and Postman for development and testing

Developed extensive JUnit tests to assess my code

## Final Year Project – Grade: 72

Created an Alexa chatbot to record customer feedback

Developed Alexa skill in Java using the Intellij IDE

Hosted using AWS

Utilized DynamoDB, S3, and Lambda

Dynamically handles different types of products

Utilized Trello to organize development phase

Added admin front-end in React hosted by AWS

## Covid Contact Tracing System

Created a system to record Covid cases and close contact events Used JavaFx with a Derby database

Connected to and edited the database using JDBC Wrote test cases

Used Eclipse and GitBash to write the app and create the database

**3rd Year Group Project**

Worked as a team with other students

Created health monitoring & warning system

Used Trello and Discord to organize our time and

plan meetings

Used Visual Paradigm to design the architecture of our

system

Used machine learning to predict likelihood

of heart disease & obesity

Developed web and android app

# WORK EXPERIENCE

**Relevant**

**Dell Technologies Feb 2022–Aug 2022**

**Role:** Software EngineeringIntern

**Key Takeaways:**

* Engaged in monthly code reviews of my own code as well

as others’

* Used Jira to plan Sprints and stay on top of user stories
* Weekly Sprint and Team meetings
* Monthly Sprint reviews
* Assisted in the onboarding of a new hire

**Other**

## Retail Supervisor Sep 2022-Dec 2024

The Drews

**Skills Developed:** Communication, Organization, Multi-Tasking,

Time Management, Interpersonal Skills, Problem Solving

## Sales Advisor Aug 2017-Mar 2020

Ecco, Prince's Street (Cork)

**Skills Developed:** Communication, Organization, Multi-Tasking,

Time Management, Interpersonal Skills

# SKILLS AND ACHIEVEMENTS

## Music

1st Trombone St Nicholas Brass Band & The Butter Exchange Band

Cork School of Music Grade 8 Pass with Credit (85%)

## Sport

Hurling and Football with Brian Dillons GAA club

Junior A Hurling City Championship 2019, 2020

Junior A Hurling County League 2019

# REFERENCES

Available on request.