

# PAUL LONG

## PERSONAL INFORMATION

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**D.o.B:** 30/11/2000

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## ACADEMIC QUALIFICATIONS

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**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

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

**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

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### 3<sup>rd</sup> 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

### 3<sup>rd</sup> 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

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### Relevant

#### **Dell Technologies**                      **February 2022–August 2022**

**Role:** Software Engineering Intern

**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

#### **Sales Assistant**                      **September 2022-Present**

The Dreads

**Skills Developed:** Communication, Organization, Multi-Tasking, Time Management, Interpersonal Skills, Problem Solving

#### **Sales Advisor**                      **August 2017-March 2020**

Ecco, Prince's Street (Cork)

**Skills Developed:** Communication, Organization, Multi-Tasking, Time Management, Interpersonal Skills

## SKILLS AND ACHIEVEMENTS

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### 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

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Available on request.