**Fiachra Curran**

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**SUMMARY**

Worked as a Cloud and Platform Engineering Intern at Fidelity Investments. Familiar with infrastructure-as-code using Terraform, and continuous integration and continuous deployment using Jenkins. Experienced with cloud computing, mainly using AWS – finalist in the Hacking Healthcare Hackathon in October 2022 and won **WorldSkills Ireland National Cloud Computing Competition** 2023. Developed numerous programs in college using Python, Java, SQL, as well as using Django for web development. Detail-oriented and experienced in communicating and interacting with customers.

**IT SKILLS**

* Confident developer in Java and Python.
* Experience with cloud computing, mainly using AWS.
* Familiar with infrastructure-as-code, using Terraform.
* Experience with CI/CD using Jenkins.
* Capable of developing websites using Django, JavaScript, CSS and HTML5.
* Experience writing SQL commands and queries.
* Can analyse data using tools like Excel, and Python.
* Can analyse and design systems using UML.
* Competent user of Windows and Linux.
* Understanding of networking.
* Design, create, and administer databases using Oracle Cloud.
* Can write scripts in Bash.

**EDUCATION & QUALIFICATIONS**

**2021 – to-date *BSc in Computing with Machine Learning & Artificial Intelligence (GPA 4.0)***

Technological University Dublin Tallaght Campus

**3rd Year Modules studied**, Server-side Web Development **(A)**; Operating Systems **(A)**; Cloud Services and Distributed Computing **(A)**; Big Data Technologies **(A)**; Data Structures and Algorithms **(A)**; Data Analysis **(A)**

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

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

**2021 Microsoft Technology Associate** for **Introduction to Programming using Java**

**2020 – 2021 *Software Development Level 6***

Dundrum College of Further Education

**Modules studied**, Digital Compliance **(A)**; Personal and Professional Development **(A)**; Network Security **(A)**; Communications **(A)**; Project Management **(A)**; Software Architecture **(A)**; Object Oriented Programming **(A)**; Graphical User Interface Programming **(A)**

**Significant Projects Undertaken**

**Car Parts Sales and Stock Control System**

**Description**

A team project involving the development of an e-commerce website, where customers can purchase car parts and administrators are able to manage the stock of car parts. Features included: account registration, Google OAUTH2 login, Google Maps Embed API, Stripe API integration for payment processing, generating End of Month reports that summarise sales, allowing administrators to view low stock parts, part review system, user profiles. SonarQube was used for static code analysis, and k6 was used for performance testing.

**Challenges faced:** Integrating APIs**;** High test coverage (95% code coverage achieved).

**Technologies & Tools Used:** Django, Bootstrap, Python, SQL, HTML, CSS, Python Social Auth, Google OAUTH2, Google Maps, Stripe, k6, SonarQube.

**WORK EXPERIENCE**

January 2024 – August 2024 Cloud and Platform Engineering Intern Fidelity Investments

**Main Responsibilities**

Worked as part of an agile squad and participated in sprint planning, backlog refinement, daily standups, and sprint reviews. Created 4 plugins, frontend and backend, for an internal developer portal, and 1 API built on AWS. Managed infrastructure-as-code using Terraform. Created automated pipelines using Jenkins. Managed code repositories on GitHub.

June 2022 – September 2023 Member Services Adviser Heritage Credit Union

**Company Description:** One of Ireland’s largest Credit Unions with over 50,000 members and 11 branches. [heritagecu.ie](https://www.heritagecu.ie/)

**Main Responsibilities**

Dealt directly with members, face to face, via phone and e-mail. Assisted members with lodgments, withdrawals, transfers, loans, memberships, paid out loans, resolved queries, opened and closed branches.

July 2023 – August 2023 Computing Peer Tutor Technological University Dublin

**Main Responsibilities**

Prepared for tutoring sessions. Assisted students with understanding concepts, questions, and answers.

**INTERESTS & ACHIEVEMENTS**

Professional

* + Participated in WorldSkills Singapore Friendly Cloud Computing Competition in August 2024.
  + Participated in WorldSkills Taiwan Friendly AWS Jam Competition in June 2024.
  + Participated in WorldSkills Ireland Friendly Cloud Computing Competition in May 2024.
  + **Participated in Samsung Skills Friendship Challenge in December 2023.**
  + Participated in WorldSkills France Cloud Computing Jam Event in November 2023.
  + **WorldSkills Ireland 2023 Cloud Computing Winner**.
  + Won AWS Jam event in May 2023.
  + Participated in AWS Gameday event in March 2023.
  + Team finished in the final 5 in TU Dublin Hacking Healthcare Hackathon event in October 2022.
  + Attended the Amazon AWS evening classes at college during 2nd year.

Sports and Games

* Playing chess, basketball, snooker, and pool.

Hobbies

* Watching films, and reading books.

**REFERENCES**

Available on request