**Shane Cotter**

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**SUMMARY**

A hard working and ambitious 4th year Computing student in IT Tallaght that has developed numerous Object-Oriented programs using Java, C++, C# and Python. I gained valuable experience working as a Python developer during my internship with Bank of America Merrill Lynch. My genuine passion for technology continuously motivates me to work hard and learn as much as I possibly can.

**IT SKILLS**

* **Programming Languages:** Java, C++, C#, Python, JavaScript, R, SQL, NoSQL, Scala HTML, HTML, CSS
* Completed AWS Technical Essentials training
* UML diagramming
* Ability to quickly learn and master new technologies.
* Strong problem solver and team worker
* Experience designing and creating database schemas
* Designing, building and troubleshooting a network
* Applied Machine learning skills

**EDUCATION & QUALIFICATIONS**

**Institute of Technology Tallaght** (2015 – 2019) - **Bachelor of Science (Honors) in Computing**

**1st Year GPA:** 3.35 **2nd Year GPA:** 3.77 **3rd Year GPA:** 3.29

**SIGNIFICANT PROJECTS UNDERTAKEN**

**Recruit (Django Application)**

**Description:** Worked with other interns at Bank of America to develop an application that helps automate the recruitment process. The old recruitment process was manual involving many different excel sheets etc. We developed a centralized solution for recruitment. Worked in an Agile environment assigning JIRAS from the backlog. I learned a lot about technologies I had not used before like the Django Framework and Jenkins.

**Technologies & Tools Used:** Django Framework, Python, Django templating, CSS, windows server, JIRA, BitBucket, PyCharm, Virtual environments

**TC Events (Java Play! CRUD Application)**

**Description:** Worked as part of a 3-person group to develop a web application called ‘TC Events’ that sells tickets for various events. This project involved all stages of the software development life cycle from the user requirements, to use case diagram, to class diagram and right through to developing and testing the application. The application has a fully functioning checkout which used Stripe to take customer payments.

**Technologies & Tools Used:** Java Play!, Java Persistence language, HTML/Scala, CSS, JavaScript, jQuery , VirtualBox, Visio, Rational Rhapsody, IntelliJ IDEA

**Sourced Soles (Java Play! CRUD Application)**

**Description:** Worked as part of a 3-person team to develop a web application that sells rare ‘sneakers’. This project involved all stages of the software development life cycle from the user requirements right through to developing and testing the application. The application also has different types of log-in’s (user or admin) which has access to different features within the application. An Ebean database was used to store all product information and was persisted to the database using Object Relational mappings.

**Technologies & Tools Used:** Java Play!, Java Persistence language, HTML/Scala, CSS, JavaScript, jQuery , VirtualBox, Visio, Rational Rhapsody, IntelliJ IDEA

**WORK EXPERIENCE**

**Bank Of America Merrill Lynch – Python Developer (Internship) (**February 2018 – August 2018)

Worked as a part of the Market Risk Technologies team support the Global Risk Markets sector of the business. This role involved working with other developers in Dublin and also USA, London, Hong Kong and India. During my time in Bank of America I worked on projects in the Market Risk team and with the group of interns in parallel.

**Main Responsibilities**

* Developed multiple Python Statistics reports which enable managers to see trends and irregularities with trade processing
* Responsible for understanding the Business logic and importance to the business related to all assigned tasks and projects
* Responsible for requirements gathering and design for certain tasks
* Optimized performance in the existing reporting framework by reducing unnecessary calls to the database and certain functions/methods
* Maintained and updated JIRA tickets for personal tasks and occasionally for other team members also
* Managed time between Market Risk team tasks and intern project tasks to ensure all tasks were completed in an acceptable timeframe

**Advance Systems – Support Analyst (**May 2016 – September 2016) & **(**May 2017 – September 2017)

Worked as part of the Support team supporting the Company’s payroll and HR application. This involved working directly with individuals from IT and HR in various companies.

**Main Responsibilities**

* Wrote database queries to help identify and resolve issues within customer’s software.
* Created custom holiday allowance calculations and rules upon customer request.
* Carried out updates to our Software on our customer’s servers
* Configured the software and carried out new installations
* Developed and made changes to reports for customers
* Liaised with IT administrators and HR managers from various in order to gain more information about their issues and troubleshoot the issue for them

**Paddy Power** - **Dial-a-bet Operative** (October 2016 – May 2017)

**Main Responsibilities**

Dealt directly with the customers, via phone to assist them in placing bets over the phone. This role also involved dealing with a wide variety of customer’s complaints and queries.

* Dealing with customer queries and complaints
* Creating new customer accounts
* Age verifying customer accounts
* Resetting customer accounts
* Taking customers bets over the phones

**INTERESTS & ACHIEVEMENTS**

* + Represented Ireland for 5 years at the European Music Games in Kerkrade Holland.
  + 4 Time all Ireland music games champion
  + Participated in Google Hash code 2017 with IT computer society
  + Member of IT Tallaght Computer society

**REFERENCES**

Available on request