

Joshua McGrath

CONTACT

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PROFILE

An innovative and professional software undergraduate with a commitment to developing a strong career in the IT industry. Currently undertaking a BSc (Hons) in Computing with Software Development, developing strong analytical & problem-solving skills in relation to Computer Software. Consistently proved to be a great team player with strong soft skills built up through both a strong customers sales background and working with developers throughout my time in the industry.

WORK EXPERIENCE & INTERNSHIPS

Workday

Jan 2019 — Sept 2019

Intern Software Developer

- Worked in a fully Agile environment within a Scrum Team.
- Pair programming and test-driven development used regularly to great success.
- Created Financial tools and software for Workdays Customers in an object oriented framework.
- Worked directly with Customers and internal stakeholders to gain feedback and iterate through-out the development cycle allowed the creation of robust and efficient Solutions to a Customers problem.
- Document Creation and maintenance.
- Creation of use cases to fully system end to end test the new functionality we would be developing.
- Created unit tests and reviewed code to assess the impact of changes on the system.
- Delivered presentations on the functionality we had developed over the six-month release cycle.
- Delivered a presentation at the end of each Sprint during the review on the stories we had worked on over the course of the Sprint.
- Organized the Scrum Ceremonies alongside my Scrum Master.
- Participated in many Training courses including Technical, Soft Skills and Agile Training.

Regatta

Feb 2016 — Oct 2017

Senior Sales Advisor

- Provided Excellent Customer Service.
- Maintained high sales rates and won Employee of the month five times for the consistent high sales rate.
- High degree of knowledge on products.
- Trusted Key holder.
- Closed the Shop and lodged sales for the day with the head office.

IT SKILLS

- Capable of writing Java and C++ code to a high level.
- Designing websites using HTML, CSS, Scala and JavaScript.
- Extensive Experience working within an Agile Scrum environment and team.
- Confident in configuring and using Cisco network routers and the IOS command set.
- Writing clear and detailed Technical Specifications and Documentation.
- Extensive experience in Analyzing and Designing systems using UML.

- Competent user of Windows and Linux Operating Systems and writing Scripts for both systems.
- Experience in web design using Play Framework MVC, ASP.Net Core MVC and React.
- Proved to be a great team player.
- Writing SQL queries to an intermediate level.
- Extensive Jira and Confluence Experience.

PERSONAL PROJECTS

- Ran a Web Design business during free time in college. Designed and developed various websites from the ground up for small businesses using HTML, CSS, JavaScript and Bootstrap and various JavaScript libraries and frameworks. Some of the websites developed are, www.phoenixcardclub.ie, www.aislingfior.ie, www.connachtcleaning.ie and www.pdmwoodworking.ie as well as many others which you can find on www.github.com/JoshuaMcGrath.
- Currently building an Event management Android application that uses Geo locations as well as push messaging to notify users of upcoming events and user to user messaging as well as a ticket management system.
- Developed a game in Unreal engine 4 that had full multiplayer connectivity and allowed users to view and race each other around a parkour-based city map.
- Built a fully functional E-Commerce website as part of a 3-man team in play framework. Fully documented the process including use of ERD and class diagrams. Test cases were used during development to find any problems that arise during the development process. Used Scala, Java (Object Oriented approach), JavaScript, HTML, CSS and bootstrap. Some features of this website were a fully functional Content management system, cart and payment system and a review and comment system.
- Built a CRUD application in Java Spring with a GUI which serves as a front-end to a relational database built in Oracles RDBMS. Application uses JPA annotations to make entities, use of inheritance in JPA. Uses Java Persistence Query Language. The application managed company's stores, employees, stock count and sales made by employees attributed to each storefront.

EDUCATION

Bachelors Honours Degree in Computing

Sept 2016 — May 2020

Technological University Dublin

Relevant Modules Studied: Data Structures and Algorithms (Software Development 5) **(B+)**, Server Side Web Development **(B)**, Data Analysis **(B)**, Statistics **(B+)**, Advanced Databases **(B)**, Operating Systems **(B)**, Web & Mobile Development & Design 2 **(B+)**, Web & Mobile Development & Design 1 **(B+)**, Database Design & Development 3 **(B)**, Networking 1 **(B)**, Networking 2 **(B)**, Discrete Mathematics 2 **(B)**

INTERESTS & ACHIEVEMENTS

- **2017:** Finalist of enterprise Ireland's young entrepreneur of the year award.
- **2014:** I qualified for the BT young scientist award during the school year.
- **2016-2020:** Elected Class president for each consecutive year.
- I paint and write in my spare time as it's a great creative process.
- I play DnD and various Cooperative board games as I find them to be an amazing collaborative storytelling effort.
- I play Football regularly and am a member of my local gym.
- Member of the Irish Computing society and TUDs Computing Society, Pool society, football society and finance society.

REFERENCES

References available upon request.