Benedict McGovern

Software Engineer

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SKILLS

Python	SQL	Software Testing	Git	Linux	Pandas	Flask
CI/CD	React	API Development	Java	Docker	Celery	RabbitMQ

EXPERIENCE

Ekco, Dublin, Ireland - *Software Developer*

09/2019 - 05/2021

- I worked as a full stack developer on a web application built in a React frontend and Python Flask backend. I wrote highly stable, testable and quality code which was used daily by over 300 users.
- I achieved major runtime improvements of functions of up to 300% by improving logic and creating more efficient code. This resulted in real speed improvements for the end user.
- I was driven to find ways to improve efficiency of the development team. I achieved this by leading by example with coding practice as well as suggesting doubling the amount of team meetings to improve communication and collaboration. This resulted in a higher velocity and output of the team.

SAP, Dublin, Ireland - *Software Developer Intern*

02/2018 - 09/2018

- I worked as a development intern at SAP on an analytical product team. I gained great experience of coding standards and collaboration at one of the largest software companies in the world.
- I wrote scripts and helper functions for a SAP Cloud Platform Data Science product. These scripts improved performance. I also developed an automated testing framework for this product.
- I created and presented a Python 101 course to colleagues at SAP. I prepared slides and material for the course. Then presented it to 20 plus colleagues over two days in order to teach a basic understanding of the language. This experience helped me gain skills in clear communication.

EDUCATION

Maynooth University - *B.Sc Computer Science and Software Engineering*

2015 - 2019

- I graduated from Maynooth University with a first class honours degree in Computer Science with a grade of 73.2%. I achieved consistent high grades with scores over 80% in many modules.
- I had top scoring results in modules such as 99% in Programming Language Design and Semantics.
- I gain strong understanding in major computer science and engineering concepts such as data structures and algorithms, object orientated programming and agile software development.
- I was involved in a voluntary group of students that held a Coder Dojo meet up every week for younger children. This group was created to help younger people gain an introduction into programming.

PROJECTS

Evaluating Generative Adversarial Networks for Time Series Prediction *2019*

- I completed a thesis as part of my undergraduate degree. The aim was to investigate if generative adversarial networks (GAN) could be a viable prediction mechanism for a time series problem.
- I built a machine learning model with Keras in Python and trained and validated on a large dataset. The model I created achieved a 54% accuracy on an unseen classification problem.