Bill O'Hanlon

Hard-working and highly skilled software engineer

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EXPERIENCE

JP. Morgan & Chase — *Software Engineer I & II*

April 2022 - August 2024

I worked on each part of the technology stack for an in house application with high data throughput, becoming the lead and SME on multiple projects.

My responsibilities were varied and akin to a Full Stack Developer. These included creating new functionality, maintaining existing services and operations, testing and creating automation.

I was promoted to Software Engineer II at the beginning of 2024.

I gained a wealth of knowledge and expertise, particularly in C#, and CI/CD.

Technologies used : ASP.NET MVC, C#, AngularJs, Javascript, HTML, CSS, SQL Server

AWS — *Software Dev Engineer Intern*

August 2021 - December 2021

I worked on improving and extending the testing framework used to affirm the status of AWS SES products and regions. This was a large project which introduced changes to reduce developer effort when creating and maintaining tests, along with alarm / logging standardisation.

I learnt a significant amount from this internship, both in terms of soft and hard skills, and gained experience working with the AWS products.

Technologies used : Java, Spring, Ruby, AWS products.

DCU — *Lab Tutor*

2018 - 2020

I worked with DCU on three separate occasions as a part time lab tutor.

This opportunity allowed me to enhance my communication skills, especially in terms of conveying technical computing concepts, and gave me a deeper understanding of programming as a whole.

ACHIEVEMENTS

When in Secondary School, I taught a basic computer class to senior citizens every Tuesday after school.

I was also awarded a bronze medal Gaise Presidential, for completing various achievements including thirteen weeks of community involvement.

Completed numerous hikes and trails across world

INTERESTS

Adventuring

Traveling

Hiking

LANGUAGES

C#, MySQL, HTML, CSS, Javascript, Python, Java

TECHNOLOGIES / LIBRARIES

ASP.NET MVC, AngularJS, AWS, Flask, Git

EDUCATION

DCU — *BSc. Computer Applications & Software Engineering*

September 2017 - May 2021

Achieved First Class Honours

St. Patrick's College Cavan — *Leaving Cert.*

September 2011 - June 2017

Received 542 points

COLLEGE PROJECTS

Orthodox MMA Trainer — *Final Year Thesis*

Created a progressive web application which utilised machine learning and computer vision to predict a user's technique in regards mixed martial arts strikes. This required creating datasets from scratch, and using said datasets to train multiple classifiers. Dataset available on Kaggle:

https://www.kaggle.com/billohanlon/jab-technique-prediction-with-body-landmark-data

Technologies used : Python, Flask, Javascript, HTML, CSS, Numpy, SciKit-Learn, BlazePose

Sign Language Translator — *Third Year Project*

Designed and trained Convolutional Neural Networks to translate Irish Sign Language from pre-recorded video into audio.

This communication channel has the potential to greatly decrease the impacts of deafness, and other communication disorders, which could reduce loneliness and isolation in these communities.

Technologies used : Python, Numpy, Keras