

Emma McGlade

Address: 43 Cullion Road, Rathfriland, Newry, BT34 5BA · **Phone:** +44706862575 **Email:** Emcglade98@gmail.com · **LinkedIn:** [Emma McGlade](#)

Education

Industry Related Exams:

- Linux Qualified (Linux LPI, 2022)
- Python PCEP Qualified (Python PCEP 30-02, 2023)

3rd Level:

- Queens University Belfast - **BSc Business Management Classification 2:1**

2nd Level:

- Our Lady's Grammar School Newry - **Business Studies (A* - Best in Northern Ireland); Geography (A); Religion (A); Geography (B)**

Professional Experience

Options IT

Data Engineer

(2019 – present)

- Developed and maintained data pipelines to enhance business insights and support decision-making.
- Built Atlas, a market disruption detection tool visualised on the company website, and presented this in live tech forums attended by over 80 participants. **Link :** <https://www.options-it.com/atlas.php>
- Spearheaded automation for third-party vulnerability detection, aiding SOC compliance and securing successful audit.
- Engineered client-facing data pipelines, integrating data from sources like **Azure** into **Splunk** for monitoring and reporting.
- Automated processes using **Python**, **Ansible**, and **SQL**, ensuring scalability and efficiency.
- Collaborated with the SOC team to analyse client infrastructure vulnerabilities using custom alerting systems.
- Worked extensively with tools such as **MongoDB**, **DBConnect**, **PowerBI**, and **Linux command line**.
- Working with **Github** to manage code across clustered environments.
- Experience with **HTML** and **Java**.
- Devised automated failover mechanisms for production switches, ensuring uninterrupted client services.
- Facilitated data extraction and analysis using **Azure Graph API** and other Microsoft Cloud Products.

- Engaged in client consulting particularly for Quant Funds, managing and optimising their Linux trading infrastructure.
- Outside of my technical role, I organised monthly Hyrox events for team engagement across the London office.

First Derivatives

Contracts Team

(2017-2018)

- Liaising with clients at leading investment banks.
- Working with employees during the recruitment process completing background checks and drawing up contracts for employment.
- I managed a project to implement Adobe into the organisations onboarding procedure of clients and candidates. Adobe was successfully implemented and is now used in First Derivates onboarding procedure on a global basis.
- Working daily with the Microsoft Suite: Excel, Word and PowerPoint.

Additional skills

- Linux Qualified (Linux LPI)
- Python PCEP Qualified (Python PCEP 30-02)
- Experience with PowerBi, Ansible, SQL, Bash, KQL, DBConnect and Splunk.

Interests and Achievements

Academic Excellence:

- Best in Northern Ireland Business Studies GCSE CCEA (2015)
- Best in Northern Ireland in Business Studies A level CCEA(2018)
- Personal coding projects including building my own personal website hosted on github pages coded in html and java.

Sports & Extracurricular

- Competed with the Northern Ireland Netball team
- Lifesaving (swimming) bronze, silver and gold awards.

References available on request.