

BILAL

FAWAZ

115 Hagley Road West, Birmingham, B17 8AD

+44 7387369128

github.com/Bfawaz2001 | linkedin.com/in/bilal-fawaz | b.fawaz2001@gmail.com

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Hiring Manager

BT Group

Snowhill, Birmingham

United Kingdom

Dear Hiring Manager,

I am writing to express my interest in the **Data & AI Software Engineer** position (Job Req ID: 36739) at BT Group, as advertised. With over **5 years of experience** in developing scalable systems, data pipelines, and AI-driven solutions, I am confident that my technical expertise and passion for innovation align well with BT Group's vision of leveraging **AI-powered connectivity** to drive business transformation and societal impact.

In my most recent role at **Oxford Health NHS Foundation Trust**, I developed and deployed **scalable backend systems** using **Python, Django, and PostgreSQL**, supporting over **1.5 million users**. I also played a key role in optimizing data ingestion pipelines using **Azure Data Factory** and **Databricks**, improving operational efficiency by **40%**. My experience with **machine learning models** (including **PyTorch** and **TensorFlow**) and cloud platforms like **AWS** and **Azure** has given me the ability to implement data-driven solutions that improve business outcomes.

BT Group's focus on **AI-powered connectivity** and driving innovation through **data and AI** is something that resonates deeply with me. I recently completed a personal project, the **Generative Language Model for Proteins (GLMFP)**, where I developed a **Command Line Interface (CLI)** to generate synthetic protein sequences using **N-gram, LSTM, and Transformer models**. This project, available on my GitHub, demonstrates my ability to integrate advanced **AI models** with real-world applications, an approach I am eager to bring to BT Group's Data & AI initiatives.

In addition to my technical skills, I possess strong **communication abilities** and a proven track record of working with **cross-functional teams** to deliver high-quality solutions. I believe that my expertise in **AI, data science, and cloud technologies**, combined with my passion for using technology to solve complex problems, makes me a strong candidate for this role.

I am excited about the opportunity to contribute to BT Group's mission of reinventing AI-powered solutions and would welcome the chance to discuss how my skills and experiences align with your needs. Thank you for considering my application. I look forward to the possibility of contributing to BT Group's continued success.

Sincerely,

Bilal Fawaz