Ruben Mukherjee

linkedin.com/in/rubenmukherjee/ | rubenmukherjee@outlook.com | +353 894911524

EXPERIENCE

- **Retail in Motion** — Dublin, Ireland
  Data Engineer — *Jan 2023 - Present*
  - Technical Work and Contributions:
    - Contributed to the development of an advanced analytics platform using Apache Airflow (Python), delivering actionable business insights from structured and unstructured retail data for major airline clients.
    - Designed and maintained robust data streaming pipelines, facilitating seamless data publishing using AWS DMS into Amazon Redshift via an Amazon S3 data lake infrastructure.
    - Processed and transformed ingested data into user-friendly formats via the AWS Data Exchange platform, enhancing data accessibility and stakeholder usability.
    - Investigated and resolved platform issues causing data reconciliation problems in production, ensuring data accuracy and reliability.
    - Extracted actionable insights from the processed data; empowering both the organization and clients to make informed, data-driven financial decisions.

- **Danalto** — Dublin, Ireland
  Senior Software Development Engineer(Backend) — *Jul 2022 - Dec 2022*
  - Technical Work and Contributions:
    - Designed and developed applications in Flask(Python) and React for tracking high-value indoor assets utilizing GPS technology, delivering real-time location accuracy and reliability.
    - Optimized IoT data streaming pipelines in Kafka and RabbitMQ to significantly enhance application latency and responsiveness, ensuring seamless user experiences.
    - Engineered a robust virtualization application in Dash(Python) to visualize critical KPIs from end devices and sensors, enabling data-driven decision-making for stakeholders.

- **Tata Consultancy Services** — Mumbai, India
  IT Analyst - Data and Engineering (Digital cadre) — *Jul 2021 - Nov 2021*
  System Engineer (Digital cadre) — *Nov 2017 - Jun 2021*
  - Technical Work and Contributions:
    - Developed an analytics application using Flask (Python) and Angular to project KPIs for airplane manufacturing units based on parts consumption, enabling data-driven decision-making.
    - Built a dynamic application using Angular to execute ad-hoc user-generated queries, enhancing operational flexibility and efficiency.
    - Designed user behavior tracking to deliver personalized suggestions to enhance user experience and engagement.
    - Developed APIs using the .NET MVC framework for a centralized application supporting high-volume users in airplane manufacturing, streamlining cross-departmental operations.
    - Enhanced a supply chain application by implementing features to meet evolving business needs, improving functionality and user satisfaction.
    - Led business operations initiatives as the primary contact, improving efficiency and aligning processes with organizational goals.

EDUCATION

- **Dublin City University** — Dublin, Ireland
  M.S. Computer Science - Artificial Intelligence — *Aug 2021 - Jun 2022*

- **Cochin University of Science and Technology** — Kochi, Kerala, Ireland
  Bachelor of Technology- Information Technology — *Aug 2013 - April 2017*

SKILLS

- Languages: Python, C#, Typescript, SQL
- Tools: AWS (DMS, Redshift, S3, DynamoDB, EC2, Lambda, Glue), Atlassian (Bitbucket, Jira, Confluence), Airflow, MongoDb, Kafka, RabbitMQ , Docker, Octopus, Jenkins
- Frameworks: Flask, Django, MVC (.NET), Dash, Angular, React
- Cloud: AWS, PCF