

# Ruben Mukherjee

[linkedin.com/in/rubenmukherjee/](https://www.linkedin.com/in/rubenmukherjee/) | [rubenmukherjee@outlook.com](mailto:rubenmukherjee@outlook.com) | +353 894911524

## EXPERIENCE

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- **Retail in Motion** Dublin, Ireland  
*Data Engineer* *Jan 2023 - Present*
  - **Technical Work and Contributions:**
    - \* Contributed in developing an advanced analytics platform, delivering business insights from structured and unstructured warehouse and retail data for major airline clients.
    - \* Designed and maintained robust data streaming pipelines, enabling seamless data publishing into a data warehouse via a data lake infrastructure.
    - \* Processed and transformed ingested data into user-friendly formats, enhancing accessibility and usability for stakeholders.
    - \* 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* *Jul 2022 - Dec 2022*
  - **Technical Work and Contributions:**
    - \* Designed and developed applications for tracking high-value indoor assets utilizing GPS technology, delivering real-time location accuracy and reliability.
    - \* Optimized IoT data streaming pipelines to significantly enhance application latency and responsiveness, ensuring seamless user experiences.
    - \* Engineered a robust virtualization application 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 app to projecting KPIs for airplane manufacturing units based on parts consumption, empowering data-driven decision-making.
    - \* Built a dynamic application for execution of ad-hoc user-generated queries, increasing operational flexibility.
    - \* Designed user behavior tracking to deliver personalized suggestions to enhance user experience and engagement.
    - \* Contributed to a centralized application for high-volume users in airplane manufacturing, streamlining cross-department 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

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- **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

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