

Senior Data Engineer

Location: Dublin, Ireland

Position Summary:

SmartFlow Compliance Solutions is seeking a senior data engineer for our Dublin office, with responsibility for the design, development, and deployment of a large-scale Amazon Web Services (AWS) cloud-based enterprise data integration and data processing solution.

The successful candidate must have a BSc in computer science or a related discipline, with a minimum of three years of development experience (Python or Scala) building scalable enterprise solutions in an AWS cloud environment.

Experience with the use, deployment, and management of a mix of technologies in an AWS cloud environment is required.

Excellent English verbal and written communication skills are essential.

Authorization to work in the Republic of Ireland is required.

About SmartFlow:

SmartFlow Compliance Solutions is a leading developer of anti-piracy and license compliance technology. We are an innovative start-up company that has already established itself as the preferred supplier to industry leading enterprise software companies. With comprehensive telemetry and business intelligence solutions, our technology enables our customers to track unlicensed corporate usage of their valuable software and convert those users into paying customers.

SmartFlow provides equal employment opportunities to all employees and applicants without regard to race, color, religion, sex, gender, national origin, disability, protected veteran status, or any other characteristic protected by applicable laws, regulations, or ordinances.

Core Role Responsibilities:

- Design and develop a cloud-based enterprise solution to connect multiple data feeds and repositories as part of a scalable data processing solution.
- Provide guidance to junior members of the team on technology choices, design, and implementation of data integrations.
- Continuous re-evaluation of existing data processing solutions to maintain optimal performance, data security, and availability.
- Ensure data quality using data cleansing techniques.
- System troubleshooting and problem solving.
- Document the configuration and operation of the data integration platform.
- Evaluation and adoption of suitable new technologies, for example, No SQL and Graph databases, big data tools.
- Other activities and responsibilities that may be deemed appropriate as required.

Required Experience and Skills:

- **Scripting Skills:** Strong scripting and automation skills (Python preferred).
- **Data Interchange:** Developing with XML, JSON-based technologies.

- **Web Services:** Developing and integrating web services (ReST, SOAP).
- **Relational Database Skills:** Experience writing SQL for data extract, transform, load (ETL).
- **AWS Cloud:** Experience developing/deploying in an AWS Cloud environment.

Desirable Skills (Not essential but beneficial to have):

- **Big Data tools:** Knowledge of big data tools, for example Elastic Search, Apache Kafka, Redis.
- **Scala Development:** Scala development experience.
- **Deployment Containerization:** Knowledge of Docker.
- **Agile Methodologies:** Experience working in an agile development environment.
- **Monitoring Tools:** Experience in integration of monitoring systems (Zabbix, CloudWatch, Kibana) with ETL services.

Educational Requirements:

- BSc in computer science or other equivalent technical discipline.

Other Candidate Requirements:

- Professional commitment to high quality and a passion for learning new skills.
- Detail-oriented individual with the ability to rapidly learn and take advantage of new concepts and technologies.
- Excellent problem-solving skills providing simple solutions to complex situations.
- Excellent English written and verbal communication skills.
- Strong team player with the ability to self-manage workload.
- Ability to communicate and collaborate effectively in a geographically disperse working environment.

Applications Accepted by:

Resume and CV in PDF Format to:

Email: jobs@smartflowcompliance.com

Attn: Adrian Allen, CTO