Data Engineer Intern

About ResMed

ResMed is a global leader in sleep and respiratory care, transforming lives with innovative products and technologies. We empower people to take control of their health and live the best lives they can. It began over 35 years ago with the invention of a machine that helped people breathe easier and sleep better. And it continues today with digital health solutions that help keep people out of the hospital. Our mission is to create life-changing health technologies that people love.

Let's talk about the team & you

Join our leading-edge Data Engineering team to develop and deliver software solutions which support our business in an "AI First" fashion and have real-world impact. At ResMed, we are changing lives with every breath – improve patient quality of life, prevent chronic disease progression and reduce healthcare system costs. Our mission is to delight ResMed's developer community with an opinionated, yet empathetic developer experience that avoids surprise, is a joy to use, and abstracts the complexities of modern development to accelerate the pace of ResMed's next generation Healthcare Informatics platform.

Let's talk about the Role

As a Data Engineer Intern, you will be responsible for building automation and leading-edge production code implementation around Data ingestion and Data processing applications. Specifically, you will work with Sr. Data engineers/Lead data engineers to ensure our global Data systems are production-grade, scalable and use the latest state of the art technology and methodology. You will be given creative freedom and opportunities to work on advanced Data problems, such as reinforcement learning and a self-serve Data platform. You will do hands-on code development and interact with business stakeholders. At ResMed, we are dedicated to a diverse team and inclusive work environment.

Let's talk about Responsibilities

- Build scalable, highly performant infrastructure for delivering clear business insights from a variety of raw data sources.
- Develop batch & real-time analytical solutions, prototypes, and proofs of concept for selected solutions. Build frameworks and tools to empower our data scientists and analysts.
- Implement complex analytical projects with a focus on collecting, managing, analyzing, and visualizing data.
- Responsible for the delivery of a robust scalable data architecture that meets the business goals of the organization.
- Be in constant communication with team members and other relevant parties and convey results efficiently and clearly.
- Be able to not only solve complex problems, but also consider multiple solutions, weigh them and decide on the best course of action.
- Proactively identify technical debt and product areas that require attention or improvements and suggest improvements in our technology stack.

- Actively handle escalated incidents to resolution and suggest solutions to limit future exposure.

Let's talk about Qualifications and Experience

Required Skills
- Master's degree in IT/Computer Science/software engineering or relevant field.
- Understanding in designing and building robust, high-performance, Scalable and adaptable solution optimal for modern platform (Big Data/Relational/No-SQL/OLAP)
- Good understanding of Python/Scala language
- Understanding of relational SQL and NoSQL databases.
- Familiarity with the principles of distributed computing, data modeling, Data ingestion and Data processing (ETL/ELT).
- Understanding of Spark Architecture and Data processing and tuning. Knowledge of Dimensional Modelling.
- Excellent communication and interpersonal skills.

Preferred Skills
- Understanding of Airflow, Building and implementing Rest APIs & Scala
- Understanding about infrastructure as code using Terraform and Experience with Dev ops (CICD) services/tools
- Basic experience with any public cloud like AWS, GCP etc.
- General knowledge of Data Quality & Governance, containerization concepts like docker, Kubernetes etc.

Let's talk about what you can expect
- A supportive environment that focuses on your development and best implementation
- Opportunity to design, influence, and be innovative
- Work with inclusive global teams and the open sharing of new ideas. We want your ideas!
- Be supported both inside and outside of the work environment
- The opportunity to build something meaningful and see a direct positive impact on people's lives!
- Dream big, iterate and experiment to drive innovation.