



## Machine Learning Ops 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 and you

Our Data Science and AI/ML team (DSAIL) is dedicated to improving patients' outcomes and lives, delighting our partners and customers, and improving the way we do business in an "AI First" fashion. We collaborate across the organization to identify, develop and deliver Artificial Intelligence (AI) and Machine Learning (ML) powered software solutions. On any given day, our team could be working on building sophisticated models to deliver personalized recommendations to patients to improve their sleep, identify optimal equipment and settings using our unparalleled store of billion+ nights of sleep data, proactively identify other health risk factors, or help optimize complex, global supply chain operations.

As a Machine Learning Ops Intern, you will be responsible for building automation and leading-edge architecture around Data and AI/ML engineering on an AWS & Kubernetes platform. Specifically, you will code and help implement a production-grade, scalable solution for data scientists. You will help define and ensure best coding & CICD practices within the team of excellent and engaged engineers. You will be given creative freedom and work in supportive team environment.

### Let's talk about Responsibilities

- Identify, design, and implement internal process improvements: Automating manual processes, re-designing infrastructure for greater scalability, etc.
- Build infrastructure needed for AWS platform, such as Lambdas, EC2, Docker, data monitoring and alerting.
- Implementing observability stack like prometheus, loki, grafana/datadog
- Build, Design, Implement and support Data & ML models pipelines using latest CICD and deployment technologies.
- Participate in and set up Proof of Concepts (POCs) to demonstrate proposed solutions.
- Work with stakeholders including the Executive, Product, Data and Design teams to help with technical issues and support their infrastructure needs.
- Participate in Code Review and process improvement.
- Stay informed of industry trends and enable successful DevOps AWS platform and Terraform solutions by leveraging best practices.



### Let's talk about qualifications and experience:

- Master's degree in a relevant field (Mathematics, Statistics, AI, ML, Data Science etc.)
- Basic Data Science knowledge
- Basic knowledge of data collection, preparation, and feature engineering pipelines, understanding of CI/CD pipelines
- Basic knowledge of pre-trained ML models (transformers, LLMs, etc.)
- Basic understanding of designing, implementing, and maintaining models using cloud platforms (AWS, Azure, etc.)
- Basic knowledge of tools for model development, deployment, and feature engineering (Jupyter Lab, AWS Sagemaker, Feast, Azure ML, etc.)
- Knowledge of distributed systems and containerization technologies (Docker, Kubernetes)
- Technical experience through projects, research, or previous internships and good critical thinking and problem-solving skills
- Great interpersonal relations, team cooperation, communication skills and collaboration skills

### Let's talk about what you can expect

- Gain hands-on experience with real-world AI/ML projects.
- Learn from and collaborate with experts in the field.
- Work with massive datasets and cutting-edge technologies.
- Develop valuable skills and knowledge for a future career in AI/ML.
- The opportunity to build something meaningful and see a direct positive impact on people's lives!

