DevOps Engineer - AI/ML - DUALARITY
Location: Palo Alto or Ireland

About the Team

At DUALARITY, we're creating intelligent wearable devices that enhance sensory experiences using AI-powered solutions. Our team works on cutting-edge AI models and real-time data processing to develop life-changing technologies that improve hearing and visual augmentation for individuals with sensory impairments. As part of our growing infrastructure needs, we're looking to expand our DevOps capabilities to support the seamless deployment of AI/ML systems at scale.
Join our team and help us build scalable, reliable, and secure infrastructures that power the next generation of AI-enhanced wearables.

About the Role

DUALARITY is seeking a **DevOps Engineer - AI/ML** to support the infrastructure behind our AI/ML models, ensuring scalable, high-performance deployments across mobile and wearable devices. In this role, you will manage the end-to-end development lifecycle for our AI/ML models, from infrastructure design to deployment, monitoring, and continuous improvement.
As a **DevOps Engineer**, you will work closely with AI engineers, data scientists, and product teams to ensure that our machine learning models can be seamlessly deployed and maintained in real-time environments. You will be responsible for building scalable infrastructure, setting up CI/CD pipelines, and automating the monitoring and orchestration of AI/ML services.

Responsibilities

- **Design and maintain scalable infrastructure** to support the deployment and operation of AI/ML models in production, ensuring low-latency and high-performance processing.
- Build and manage **CI/CD pipelines** for deploying AI models across mobile, edge, and cloud environments, ensuring smooth integration with other system components.
- Collaborate with AI/ML engineers and data scientists to automate the **training, testing, and deployment** of machine learning models, ensuring reproducibility and scalability.
- Monitor the performance of deployed AI systems and develop strategies to **optimize system performance**, including infrastructure scaling and cost efficiency.
- Implement **security best practices** for infrastructure and AI systems, ensuring the privacy and protection of user data.
- Troubleshoot and resolve **infrastructure issues** quickly, minimizing downtime and ensuring reliability for AI services in production.

- Work with **containerization and orchestration technologies** (e.g., Docker, Kubernetes) to manage AI/ML workflows and resources in distributed environments.

You will thrive in this role if you:

- Have a **Bachelor's or Master's degree in Computer Science, DevOps, Software Engineering**, or a related field, with strong experience in building and managing **DevOps pipelines** for AI/ML applications.
- Are proficient in **cloud platforms** such as AWS, GCP, or Azure, and are familiar with managing infrastructure for AI/ML workloads.
- Have experience with **containerization and orchestration tools** like Docker and Kubernetes, particularly in **edge computing** and low-latency environments.
- Are skilled in building and maintaining **CI/CD pipelines** for continuous integration, testing, and deployment of AI models.
- Have experience with **monitoring tools** (e.g., Prometheus, Grafana) to track the performance of AI models and infrastructure in real-time.
- Are passionate about optimizing **AI/ML workflows** and infrastructure for low-latency, high-performance real-time applications, especially in wearable technologies.
- **Bonus**: Experience with **MLOps** and automation of machine learning lifecycle, including model retraining, versioning, and monitoring for AI systems.

About DUALARITY

DUALARITY is at the forefront of developing intelligent, AI-powered wearable devices that enhance human senses. By combining advanced AI with intuitive design, we aim to empower individuals with hearing impairments and sensory challenges to live safer, more connected lives.

Our commitment is to human-first AI: developing technology that adapts to the user's needs, ensuring that DUALARITY's solutions improve not just function, but the quality of life. By focusing on real-time auditory and visual processing, we provide individuals with tools to interact with their world in a way that is personalized, secure, and seamless.

At DUALARITY, diversity of perspectives and backgrounds is key to building solutions that serve the full spectrum of human experiences. We are committed to fostering an inclusive environment where creativity, innovation, and bold ideas flourish.

Compensation

Competitive salary + Equity opportunities.