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MLOps Engineer

We are seeking a highly skilled and experienced Senior MLOps Engineer to lead our ML operations and cloud solutions team. In this role, you will be responsible for automating ML training and test pipelines, implementing traceability concepts between data and ML models, and mentoring a small group of ML Ops engineers. You will also oversee the deployment of ML training and test runs on local workstations, local clusters, or cloud solutions, with a focus on scaling large workloads efficiently, catering to implement MLOps pipeline for Mapping and Localization, In-cabin sensing, or Gen AI applications.

Key Responsibilities:

1. **Cloud Solutions Design and Implementation:**

- Develop and implement robust cloud solutions for ML applications, including Gen AI, utilizing AWS, Azure, or GCP.
- Build MLOps pipelines on both cloud and on-premise solutions.

2. **CI/CD Pipeline Orchestration:**

- Design and manage CI/CD pipelines using GitLab CI, GitHub Actions, Circle CI, Airflow, or similar tools.

3. **Data Pipeline Implementation:**

- Construct efficient data pipelines for both streaming and batch data.
- Establish and maintain data lakes and feature stores.

4. **Data Science Model Lifecycle Management:**

- Review data science models and execute code refactoring, optimization, containerization, deployment, versioning, and continuous monitoring.
- Conduct testing, validation, and automation of data science models.

5. **Collaboration and Documentation:**

- Work closely with a multidisciplinary team of data scientists, data engineers, and architects.
- Document and communicate processes effectively.



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Required Qualifications:

- PhD degree in computer science, electrical engineering, or related field with 3+ years of Experience.
- Practical experience with setting up and managing ML training and data pipelines in production.
- Solid knowledge in at least a few of the following tools: Docker, Kubernetes, Kubeflow, Airflow, Mesos, SLURM, MLFlow, Metaflow.
- Experience with data versioning tools like DVC.
- Familiarity with Infrastructure as Code (IaC) to define and deploy infrastructure.
- Strong software development skills in Python. You have a passion for clean, well-tested, and documented code.
- Fluent in English with excellent written and verbal communication skills & good interpersonal skills.

Preferred Qualifications:

- Practical experience with Linux, version control systems (Git), build systems (Make, CMake, Autotools), and code review tools (Gerrit, Gitlab, Bitbucket).
- Knowledge in C/C++, JavaScript.

Why join us?

- **You can grow at Aptiv.** Aptiv provides an inclusive work environment where all individuals can grow and develop, regardless of gender, ethnicity or beliefs.
- **You can have an impact.** Safety is a core Aptiv value; we want a safer world for us and our children, one with: Zero fatalities, Zero injuries, Zero accidents.
- **You have support.** We ensure you have the resources and support you need to take care of your family and your physical and mental health with a competitive health insurance package.



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Your Benefits at Aptiv:

- Hybrid and flexible working hours;
- Higher Education Opportunities (UDACITY, UDEMY, COURSERA are available for your continuous growth and development);
- Life and accident insurance;
- Sodexo cards for food and beverages
- Well Being Program that includes regular workshops and networking events;
- EAP Employee Assistance;
- Access to fitness clubs (T&C apply);
- Creche facility for working parents;

Apply today, and together let's change tomorrow!

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