# AI/ML DEVELOPER

**Term**: Full-time | **Location**: Calgary (hybrid)
**Compensation**: Salary of 70-90k CAD, benefits, and participation in employee stock options plan

## Role Overview

As an **AI Developer** at Monark, you will play a key role in building and enhancing AI-powered features that drive our leadership development platform. Your work will focus on **machine learning (ML), large language models (LLMs), and AI-driven automation**, helping to create intelligent, scalable solutions.

You'll collaborate with experienced engineers and subject matter experts, contributing to every stage of development—from **research and prototyping** to **deployment and optimization**.

This is an exciting opportunity for someone with a strong foundation in machine learning, natural language processing (NLP), and LLMs who is eager to apply their skills in a fast-paced, innovative startup environment.

## Key Responsibilities

**AI & Machine Learning Development:**

- Design, develop, deploy, and maintain AI models and solutions for leadership development applications.
- Manage the data lifecycle for AI model development, including collection, preprocessing, and analysis.
- Train, evaluate, and optimize AI models using relevant algorithms and frameworks (e.g., TensorFlow, PyTorch).
- Develop and integrate AI solutions into existing JavaScript-based application.
- Collaborate effectively with cross-functional teams, including subject matter experts, engineers, and product managers, to deliver impactful AI-driven products.
- Address ethical considerations related to AI development, including bias and privacy.
- Proactively research and implement innovative AI/ML solutions to address internal analytical needs and drive business insights.

**Software Development & Integration:**

- Design and implement scalable, cost-effective integrations with existing cloud-based services.
- Proactively monitor, maintain, and enhance AI-driven solutions to ensure optimal performance, reliability, and security.
- Contribute to core backend and frontend development tasks as needed.

**Collaboration & Learning:**

- Work closely with senior developers and the Development Team Lead to align AI projects with business goals.
- Participate in agile development cycles, including sprint planning, daily stand-ups, and code reviews.
- Continuously learn and stay up to date on advancements in AI, ML, and NLP.

## Key Qualifications

**Required Skills & Experience:**

- 1+ years of experience in software development with a focus on AI/ML (academic projects, internships, or industry experience).
- Strong proficiency in Python for machine learning development.
- Hands-on experience with machine learning frameworks such as TensorFlow, and PyTorch.
- Familiarity with LLM development, fine-tuning, and prompt engineering.
- Basic understanding of cloud computing (AWS, Google Cloud, or Azure) and deploying AI solutions in production.

**Nice-to-Have Skills:**

- Experience working with JavaScript frameworks (Node.js, Express, React) in a full-stack development environment.
- Knowledge of MLOps best practices, model monitoring, and performance tuning.
- Familiarity with vector databases, embeddings, and retrieval-augmented generation (RAG).
- Previous experience contributing to AI research, academic papers, or open-source projects.

Please send a cover letter explaining why this position interests you along with your resume to:
**amanda**@**lead**with**monark**.com