# Job Title:

Machine Learning Engineer - Backend Developer

# Company Overview:

InnovateTech Solutions is a leading technology firm dedicated to pioneering advancements in artificial intelligence and machine learning. Our mission is to transform industries by providing cutting-edge solutions that enhance operational efficiency and drive innovation. We are committed to fostering a collaborative and inclusive work environment where creativity and technical excellence thrive.

# Key Responsibilities:

- Design, develop, and maintain robust backend systems to support machine learning applications.  
- Collaborate with data scientists and front-end developers to integrate machine learning models into scalable production environments.  
- Optimize and refactor existing codebases to improve performance, scalability, and reliability.  
- Implement APIs and data pipelines to facilitate seamless data flow and model deployment.  
- Conduct code reviews and provide constructive feedback to peers to ensure high-quality code standards.  
- Stay updated with the latest advancements in machine learning and backend development technologies.  
- Troubleshoot and resolve complex technical issues related to backend systems and data processing.

# Required Qualifications:

- Bachelor’s or Master’s degree in Computer Science, Engineering, or a related field.  
- Proven experience in backend development, with a strong understanding of server-side languages such as Python, Java, or Node.js.  
- Solid understanding of machine learning concepts and experience working with ML frameworks like TensorFlow, PyTorch, or Scikit-learn.  
- Experience with database technologies such as SQL, NoSQL, and data warehousing solutions.  
- Familiarity with cloud platforms like AWS, Google Cloud, or Azure for deploying and managing applications.  
- Strong problem-solving skills and the ability to work independently as well as in a team environment.

# Preferred Skills:

- Experience with containerization technologies such as Docker and orchestration tools like Kubernetes.  
- Knowledge of distributed systems and microservices architecture.  
- Understanding of data engineering practices, including ETL processes and data pipeline design.  
- Proficiency in version control systems, particularly Git.  
- Excellent communication skills and the ability to articulate complex technical concepts to non-technical stakeholders.

# Benefits:

- Competitive salary and performance-based bonuses.  
- Comprehensive health, dental, and vision insurance plans.  
- Flexible work hours and remote work options.  
- Opportunities for professional development and continuous learning.  
- Generous paid time off and holiday schedule.  
- Collaborative and inclusive company culture with regular team-building activities.