



<https://ancoreinc.com/job/ai-engineer-2/>

AI Engineer 2

Description

The AI Engineer 2 serves as a senior technical contributor responsible for leading AI/ML architecture design, governance, and implementation efforts supporting enterprise-scale AI capabilities. This role provides advanced expertise in agentic systems, model governance, and AI platform modernization initiatives.

Responsibilities

- Lead development of enterprise AI/ML architectures and governance frameworks.
- Design and implement multi-agent orchestration platforms and autonomous reasoning systems.
- Architect enterprise AI pipelines, vector database solutions, and hybrid knowledge management capabilities.
- Develop AI validation, explainability, model monitoring, and governance tools.
- Establish AI architecture standards, technical roadmaps, and integration patterns.
- Support architecture review boards and technology assessments.
- Evaluate emerging AI technologies and recommend enterprise adoption strategies.
- Mentor junior AI engineers and technical team members.

Qualifications

- Active Top Secret (TS) security clearance with SCI eligibility.
- Bachelor's degree in Computer Science, Engineering, Data Science, or related field, Master preferred
- 7+ years of experience in software engineering, AI/ML engineering, or solution architecture.
- Experience designing and deploying enterprise AI solutions.
- Experience with cloud-native AI services and MLOps platforms.
- Demonstrated experience with LLMs, agent frameworks, and vector databases.
- Must be DOW 8140 certified
- Ability to obtain and maintain required Top Secret government security clearance.

Nice to Have

- Master's degree in Computer Science, Engineering, Information Technology, or related discipline.
- Experience supporting DoD or Intelligence Community agencies.
- Experience with knowledge graphs and advanced AI governance frameworks.
- Relevant cloud or AI certifications.

Job Benefits

Hiring organization

Ancore Inc

Employment Type

Full-time, Contractor

Duration of employment

1 Year

Job Location

Herndon, VA, USA

Working Hours

9AM to 5PM

Date posted

October 14, 2026

Valid through

30.11.2026

We offer more than just a job; we offer a community

At Ancore, we provide exceptional benefits, including competitive Paid Time Off, comprehensive Medical, Dental, and Vision Insurance, and a robust 401(k) plan. But we don't stop there.

We invest in your potential:

Every member receives a dedicated stipend to pursue professional development be it certifications, a master's degree, or even a doctorate. We encourage growth through flexible learning options, whether you're taking a course, earning a certification, or attending a conference. Curiosity is celebrated here, and continuous learning is a cornerstone of our culture.

We work hard and make time for joy:

Ancore, fun isn't an afterthought. From virtual and in-person events like happy hours, holiday parties, and wellness challenges to annual celebrations and charity galas, we believe in fostering connection, creativity, and community spirit.

Diversity is our strength:

As an Affirmative Action/Equal Opportunity employer, Ancore makes all employment decisions based on merit, qualifications, and business needs never on personal attributes or backgrounds. Everyone deserves a workplace where they feel valued and respected.

Access for all:

We are committed to inclusion and provide reasonable accommodations to ensure all qualified individuals with disabilities can thrive in their roles.