

# Senior AI Engineer

Job ID

REQ-10088715

Sep 30, 2026

LOC\_IN

## About the Role

### Key Responsibilities

- Design and implement production-ready generative and agentic artificial intelligence solutions using Amazon Web Services and Snowflake.
- Build secure Retrieval-Augmented Generation solutions with hybrid search, embeddings, reranking, metadata, and enterprise knowledge sources.
- Develop intelligent agents using Amazon Bedrock AgentCore, LangChain, LangGraph, Semantic Kernel, and approved orchestration frameworks.
- Create secure application programming interfaces and containerized backend services for models, agents, tools, and conversational experiences.
- Build document-ingestion pipelines for PDF, Office, HTML, presentation, structured, and unstructured enterprise content.
- Develop secure Model Context Protocol clients and servers with authentication, authorization, validation, audit logging, and execution controls.
- Integrate Snowflake Cortex AI capabilities with Amazon Web Services applications using governed, secure, and private connectivity patterns.
- Implement multi-agent workflows, human review, memory management, task automation, approval controls, and end-to-end traceability.
- Establish evaluation, observability, security, responsible artificial intelligence, reliability, performance, and cost-management practices.
- Provide technical leadership through reusable architectures, coding standards, design reviews, mentoring, deployment, and operational handover.

### Essential Requirements

- Bachelor's or Master's degree in Computer Science, Artificial Intelligence, Machine Learning, Data Science, Engineering, or a related field.
- 8+ years of experience in software engineering, cloud engineering, artificial intelligence, machine learning, or related disciplines.
- Proven experience designing and delivering production-grade generative artificial intelligence, Retrieval-Augmented Generation, and agentic artificial intelligence solutions on Amazon Web Services.
- Strong proficiency in Python, application programming interface development, secure software engineering, testing, debugging, and containerized services.
- Hands-on experience with Amazon Bedrock, Amazon SageMaker, intelligent agent orchestration, document processing, retrieval, grounding, and evaluation frameworks.
- Demonstrated expertise in enterprise security, responsible artificial intelligence, observability, reliability, compliance, and technical leadership.

## Desirable Requirements

- Experience delivering Artificial Intelligence solutions within pharmaceutical, healthcare, life sciences, or other regulated environments.
- Advanced expertise with Snowflake Cortex AI, Model Context Protocol frameworks, enterprise agent platforms, or large language model operations practices.

### Commitment to Diversity and Inclusion:

Novartis is committed to building an outstanding, inclusive work environment and diverse teams' representative of the patients and communities we serve.

### Accessibility and accommodation

Novartis is committed to working with and providing reasonable accommodation to individuals with disabilities. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the recruitment process, or in order to perform the essential functions of a position, please send an e-mail to [diversityandincl.india@novartis.com](mailto:diversityandincl.india@novartis.com) and let us know the nature of your request and your contact information. Please include the job requisition number in your message

## Role Requirements

Division

DIV\_TO

Business Unit

Information Technology

Location

LOC\_IN

Site

Hyderabad (Office)

Company / Legal Entity

IN10 (FCRS = IN010) Novartis Healthcare Private Limited

Functional Area

FCT\_DD

Job Type

Full time

Employment Type

Regular

Shift Work

No

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