



# AI+ Prompt Engineer Level 2™

Certification



# Executive Summary

The AI+ Prompt Engineer Level 2 certification is designed for developers aiming to master advanced prompt engineering techniques. This program equips learners with skills in crafting and optimizing prompts, integrating them with cutting-edge development tools, and applying them across diverse domains. Through project-based learning, participants gain practical experience by working on real-world AI projects. The curriculum explores advanced strategies, experimentation, and optimization, ensuring proficiency in creating impactful AI-driven solutions. Ideal for professionals looking to enhance their expertise, this certification bridges the gap between AI innovation and application, empowering developers to lead in the evolving field of prompt engineering.

# Prerequisites

- Familiarity with at least one programming language (Python recommended).
- Basic knowledge of RESTful services and API interactions.
- Basic understanding of AI concepts and language models.

# Exam Blueprint

Number  
of Questions

**50**

Passing  
Score

**35/50 or 70%**

Duration

**90 Minutes**

Format

**Online via AI  
Proctoring platform**

Question Type

**Multiple Choice/Multiple  
Response**



# Exam Overview

Module	Weight
Introduction to Prompt Engineering for Developers	10%
Advanced Prompt Design and Engineering	15%
Experimentation and Optimization	15%
Designing Advanced Strategies for Prompt Engineering	15%
Integration with Development Tools	15%
Applications of Prompt Engineering in Various Domains	15%
Project-Based Learning: Real-World AI Projects Using Prompt Engineering	15%
	100%



 AI CERTS™  
The logo features a stylized 'A' icon composed of three horizontal lines of varying lengths, followed by the text 'AI CERTS™' in a bold, sans-serif font.**AI<sup>+</sup>**Prompt Engineer  
Level 2™ A stylized profile of a human head facing left, rendered in a glowing blue, wireframe-like digital aesthetic. The head is filled with intricate circuitry and data lines, symbolizing artificial intelligence or cognitive processing. The background is a dark blue gradient with faint, glowing circuit patterns.

# Certification Modules

## Module 1

### **Introduction to Prompt Engineering for Developers**

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1.1 Overview of Prompt Engineering

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1.2 Basics of API Interaction

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1.3 Understanding Prompt Structures

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## 1.4 Case Studies and Best Practices

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## 1.5 Hands-on Exercise

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### Module 2

# Advanced Prompt Design and Engineering

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## 2.1 Designing Advanced Prompt Techniques

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## 2.2 Designing Multi-Turn Interactions

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## 2.3 Contextual and Conditional Prompting

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## 2.4 Crafting Domain-Specific Prompts

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## 2.5 Contextual and Stateful Prompt Engineering

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## 2.6 Meta-Prompting and Autonomous Refinement

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## 2.7 Hands-on Exercise

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## Module 3

# Experimentation and Optimization

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## 3.1 Automated Prompt Optimization Tools

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## 3.2 A/B Testing and Evaluation

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## 3.3 Reinforcement Learning for Prompt Engineering

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## Module 4

# Designing Advanced Strategies for Prompt Engineering

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## 4.1 Contextual and Role-Based Prompting

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## 4.2 Adaptive and Multimodal Prompting

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## Module 5

# Integration with Development Tools

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5.1 Integrating with Popular Development Tools for Prompt Engineering

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5.2 Code Repositories and Templates for Prompt Engineering

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5.3 Developer Communities and Forums for Prompt Engineering

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5.4 Version Control in Prompt Engineering Projects

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## Module 6

# Applications of Prompt Engineering in Various Domains

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6.1 Natural Language Processing (NLP) Applications using Prompt Engineering

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6.2 Business Applications using Prompt Engineering

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6.3 Creative Applications using Prompt Engineering

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## Module 7

# Project-Based Learning: Real-World AI Projects using prompt Engineering

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## 7.1 Project 1: AI-Driven Customer Support

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## 7.2 Project 2: Personalized Content Generation

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## 7.3 Project 3: AI in Data Analysis

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# Certification Outcome

Upon completion of AI+ Prompt Engineer Level 2 certification, participants will be equipped with comprehensive skills in prompt engineering, enabling them to craft, optimize, and implement effective prompts for AI models across various applications. They will gain advanced knowledge of techniques and strategies for designing sophisticated prompts, and apply these skills to real-world AI projects. The certification signifies proficiency in creating impactful prompts that enhance AI performance and application, demonstrating the ability to tackle complex challenges in diverse domains through project-based learning.





## Market Insight

With the increasing utilization of AI, there is a growing need for specialists in rapid engineering to enhance AI efficiency. Proficiency in creating complex prompts is becoming more and more essential in different fields.



## Value Proposition

Our prompt engineering certification equips you with the skills to craft and optimize AI prompts, enhancing performance across industries. Master advanced techniques to stand out in the evolving AI field and drive innovation.

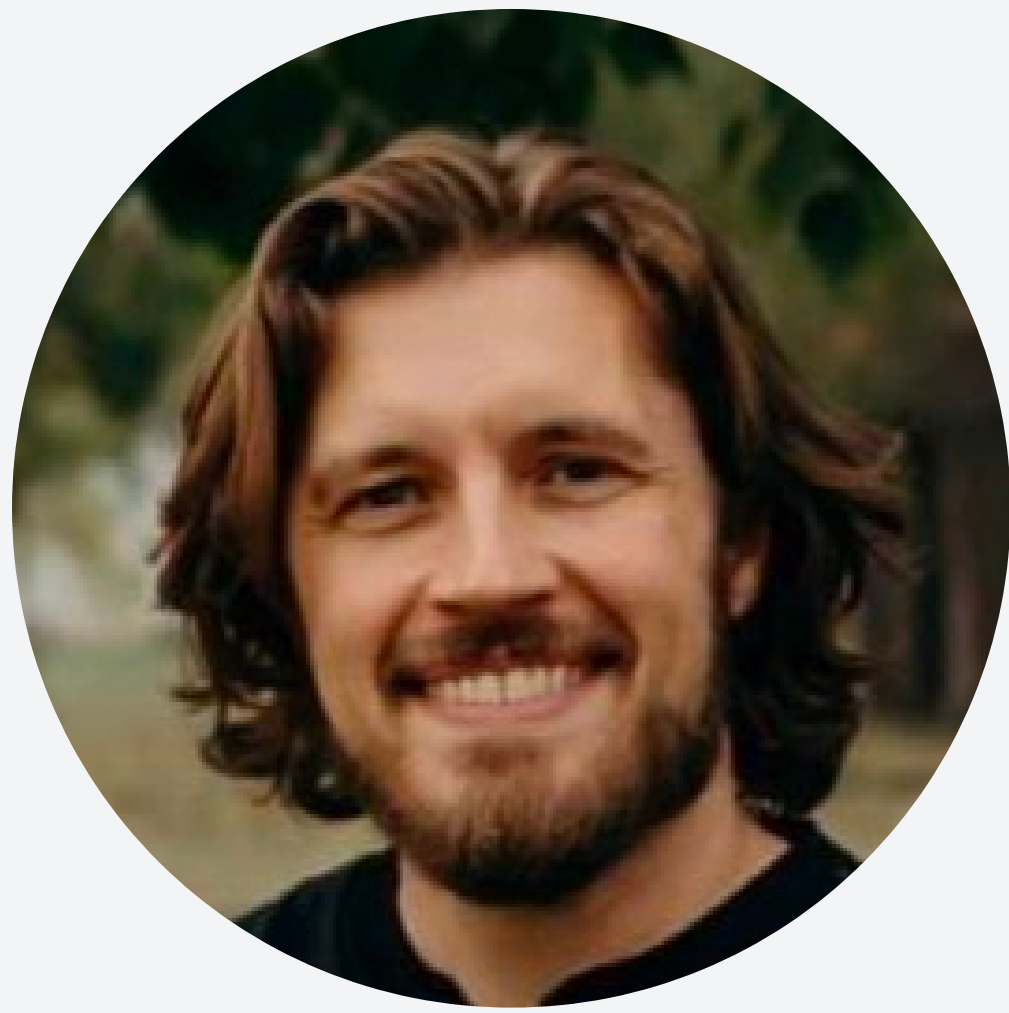


## Additional Features

Acquire practical skills by working on real-life projects, enabling you to implement engineering methods quickly in various situations and create a collection of effective AI solutions.



# AI Experts



## Jason Kellington

AI Expert

As a consultant, trainer, and technical writer with more than 25 years of experience in IT, I specialize in the development and delivery of solutions focused on effective and efficient enterprise IT.



## Justin Frébault

AI Expert

I'm a boutique data consultant specializing in data mesh and lakehouse solutions. I've dedicated my career to helping organizations transform their approach to data, moving beyond mere knowledge.



## J Tom Kinser

AI Expert

I have over forty years of experience in software development, data engineering, management, and technical training. I am a Microsoft Certified Trainer and a software developer, holding multiple certifications.



## Terumi Laskowsky

AI Expert

Country Manager for Global Consulting Services in Japan, Specialties: Information Security (Compliance, Policy, Application, Host, Network)



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