

## **Artificial Intelligence Guru (AIG)**

The title 'guru' lends itself to the need of an individual than can be revered as an authority and leader of the subject in a near spiritual manner. The guru would not 'boss' subordinates but treats everyone and everything as an opportunity for growth, wisdom and understanding.

Further, they would be skilled and well informed in many aspects of artificial intelligence, having dominance in multiple AI specialties. For this reason, compensation will be high along with creative control and freedom.

**The ideal candidate will possess most, or some of all the items listed below.**

1. Experience working with deep learning models using real-life ("industry") data
2. Excellent proficiency in programming languages and one or more deep learning libraries (PyTorch, TensorFlow, JAX, etc.)
3. Background or some experience in software engineering
4. Experience with building and/or fine-tuning large language models, as well as traditional machine learning models
5. Ability to translate business requirements into technical action items

6. Up to date knowledge of recent developments in the field of natural language processing, machine learning, and deep learning
7. Up to date knowledge of current research in the field of AI ethics and policies (including algorithmic fairness, accountability, transparency, and privacy-enhancing technology)
8. Deep understanding of ML tech stacks for building, deployment, customization, and integration
9. Ability to communicate well with both technical and non-technical colleagues and clients
10. Team leadership experience
11. Industry specific experience to help guide the tailoring of products for business users
12. Analytical thinking skills for data driven decision making and defining/measuring success metrics
13. Strong knowledge of enterprise application integration/service-oriented architecture best practices
14. Familiarity with API management platforms and how to implement security policies, traffic management, and other protocols that support the scaling of APIs across the organization
15. Knowledge of modern APIs (SOAP and REST) & API Tools
16. Knowledge of Single Sign On configuration and testing
17. Experience with API monitoring tools to assess integration performance
18. Experience with workflow automation tools
19. Ability to assess data access and privacy concerns

## **Work Environment**

The work environment will be largely up to the guru. As a condition of their employment, full creative control will be given in hopes to nurture the best possible environment conducive to efficiency, productivity and innovation. The guru will be regarded as a C level employee, reporting directly to the CEO, and accountable to the board of directors in the same way as all other C level employees. It is expected of the guru to attend regular meetings and remain in contact with their teams, but office hours are not required. This position can be completely remote.

## **Educational Requirements**

Although college/graduate education is desired, it is not a requirement if skills and expertise warrant employment. It is expected however, that the guru constantly learns by staying up-to-date with current trends and happenings of the industry and is able to remain current with technical skills. The guru is expected to publish a blog or some other periodical for posterity.

## **Describe is the nature of the work and how it is that changed by the environment.**

The guru is the point person responsible for developing artificial intelligence technology for the company. They are almost seen as 'god', thus the nature of this position is most unique within the organization. The guru is building a generative brain for the entire company and as such, develops the work environment as they progress with their efforts. The very nature of A.I. is

fluid, thus standards may become obsolete as soon as they are conceived... To sum this all in one word; "Onlife".

**What are the most pressing issues facing this specialization, how is that affected by the environment selected?**

The AI Guru will be primarily concerned with how to process our data into a living system, that learns and is able to develop its own knowledge base, with the ultimate goal of providing actionable feedback which can be used by the company. Ethics and legal considerations must always be at the forefront of every decision or idea, and the 'playing god' issue must always be weighed. With the seemingly unlimited discretion allowed by the guru to work as they see fit, being amenable to the CEO and Board of Directors is key to ensure a balance of power and corporate liability.

## Resources

6 *Artificial Intelligence (AI) Jobs to Consider in 2024*. (2024, April 3). Coursera.

<https://www.coursera.org/articles/artificial-intelligence-jobs>

10 *Super Cool AI Jobs for 2024*. (2024, February 26). Springboard Blog.

<https://www.springboard.com/blog/data-science/careers-in-ai/>

18 *Artificial Intelligence (AI) Jobs and Career Outlook*. (n.d.). Indeed Career Guide. Retrieved April

18, 2024, from <https://www.indeed.com/career-advice/finding-a-job/jobs-in-ai>

*AI Researcher Job Titles in 2024—Most Popular Titles by Career Level*. (n.d.). Retrieved April 18,

2024, from <https://www.tealhq.com/job-titles/ai-researcher>

Magill, K. (2023, July 6). Six common AI job titles that are in high demand. *Dataspace*.

<https://dataspace.com/talent-acquisition/ai-job-titles/>

Nemeroff, B. (n.d.). *Top 10 jobs in artificial intelligence (AI) & who's hiring*. Handshake. Retrieved

April 18, 2024, from <https://joinhandshake.com/blog/students/artificial-intelligence-jobs/>

*What are the most important AI job titles for startup professionals?* (n.d.). Retrieved April 18, 2024,

from <https://www.linkedin.com/advice/1/what-most-important-ai-job-titles-startup-bomkc>