

## Clinical AI Engineer

### What is it?

A Clinical AI Engineer designs, builds and tests artificial intelligence (AI) systems used in healthcare. These systems help doctors and nurses with tasks such as analysing medical scans, predicting health risks, supporting diagnoses, and improving patient care. Clinical AI Engineers make sure AI tools are **safe, accurate, ethical and suitable for use in real clinical settings**.

### Qualifications/Experience Required:

Clinical AI Engineers usually have **strong technical and scientific backgrounds**. Typical routes include:

**A degree in computer science**, biomedical engineering, data science, mathematics or AI. Many roles require a master's degree or PhD, especially in AI, machine learning or healthcare technology.

Some people enter through digital, software or data degree apprenticeships and later specialise in healthcare AI.

### Type of person who may be suited to this job:

- Strong interest in technology and healthcare.
- Excellent analytical and problem-solving skills.
- Comfortable working with data and complex systems.
- Ethical and responsible decision-maker.
- Confident working as part of multidisciplinary teams.

### What the Work Involves:

- Designing and training AI models using healthcare data.
- Testing AI systems to ensure they are accurate and unbiased.
- Working with clinicians to understand real-world medical needs.
- Making sure AI tools meet safety, legal and ethical standards.
- Improving AI systems based on feedback and performance data.
- Documenting results and supporting clinical trials or approvals.

### Money/Wage Guide:

- **Starting Salary: £35,000-£45,000**
- **Experienced Salary: £60,000-£85,000+**

### Related Opportunities:

- **AI Engineer**
- **Clinical Data Scientist**
- **Health Informatics Specialist**
- **Biomedical Engineer**

### Future Prospects – Labour Market Information:

Clinical AI is a rapidly expanding area due to advances in digital health, genomics and personalised medicine. Demand is growing in NHS trusts, health-tech companies, research institutions and pharmaceutical organisations

**Typical weekly hours – 37 to 40 hours per week.**

*Some roles offer remote or hybrid working.*

### Further Information:

<https://www.healthcareers.nhs.uk>

<https://www.careerpilot.org.uk/job-sectors/software-systems>

<https://www.nhsx.nhs.uk>