

# AI Software Engineer

Company:

**University of Reading**

Location:

**United Kingdom / Whiteknights**

Discipline:

**AI Software**

Employment Type:

**Full time - Fixed term**

Posted:

**11/12/2025**

Contact Person:

**If you wish to apply for this position, please specify that you saw it on AKADEUS.**

## UNIVERSITY OF READING

### AI Software Engineer

**Job reference:** SRF51811

**Salary:** £47,389 per annum

**Location:** Whiteknights, Reading UK

**Contract Type:** Full time - Fixed term

Due to the complexity of the Skilled Worker Visa route and eligibility criteria, applicants requiring sponsorship are recommended to check their eligibility on the Home Office website. We cannot provide advice to candidates at the application stage and will only discuss visa routes with candidates who are invited to interview.

The AI Software Engineer will play a key role in the development of RMD-Health, a machine learning-enabled decision support system designed to improve the early detection and referral of patients with suspected rheumatic and musculoskeletal diseases (RMDs), funded by the National Institute of Health and Care Research (NIHR), Invention for Innovation Product Development Award (NIHR206473). The role will involve leading the design, implementation, and testing of the software and agentic AI prototype to meet clinical, technical, regulatory, and user requirements. The post holder will work closely with

a multi-disciplinary team of AI researchers, clinicians, NHS IT specialists, and patient/public representatives.

You will:

- Lead the design, development, and optimisation of the RMD-Health software prototype in line with project objectives
- Integrate agentic AI components, enabling autonomous task handling for data ingestion, quality assessment, and model-driven decision support
- Ensure interoperability with NHS Electronic Health Record systems using standards such as FHIR and compliance with DTAC and ISO13485 requirements
- Work closely with the Machine Learning Engineer to integrate ML models, decision-support functions, and explainable AI features into the software
- Develop and maintain secure data pipelines to handle anonymised NHS referral and patient data in line with GDPR and NHS IG standards
- Collaborate with clinicians, patients, and IT specialists to iteratively refine the prototype through workshops, interviews, and pilot testing
- Support technical documentation for regulatory submissions (UKCA/CE marking as AIaMD)
- Contribute to academic publications, dissemination activities, and presentations at project meetings
- Work effectively as part of a multi-disciplinary team, delivering high-quality outputs to tight deadlines

Contact Name: Professor Weizi Li

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The University is committed to having a diverse and inclusive workforce, supports the gender equality Athena SWAN Charter and the Race Equality Charter, and champions LGBT+ equality. We are a Disability Confident Employer (Level 2). Applications for job-share, part-time and flexible working arrangements are welcomed and will be considered in line with business needs.

Closing date: 4 January 2026.

Apply link: <https://jobs.reading.ac.uk/Job/JobDetail?JobId=24974>

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