

Junior Web Developer (Research)

RHE Global

Job Description

February 2021



Apply Send your CV and a covering letter to jobs@rheglobal.com

Job title **Junior Web Developer (Research)**

Particulars

Salary £25,000-£28,000
Hours 35 hours/week (Mon - Fri 0900-1700)
Location Aberystwyth, or Bristol and Bath Science Park, BS16 7FR
Terms Permanent
Leave 28 days per annum (January – December)
Reporting to Principal Engineer

Company

The company, RHE, develops and sells software products and services to the public and private sectors. Our core services support public protection, housing professionals and the public. Services include cloud platforms, mobile apps along with training and consultancy services. Further information about other RH Environmental products and services can be found on our website at www.rheglobal.com.

Job Summary

The Junior Web Developer will be a member of the Software Development Team. The post holder's key objective is to research and develop new technologies that will future proof our product portfolio. Activities will include building machine learning algorithms, undertaking data analytics and web development.

The post holder will be one of the reference points for the Software Development Team with regard to R&D activities, machine learning and artificial intelligence. This will include working with external research partners and colleagues from the development team.

Responsibilities will include:

- Reporting to / line managed by Principal Engineer.
- Collaborating with a cross functional team spanning research, web and mobile engineering and business.
- Prototyping new commercial products based on the output of research activities.
- Design, develop, test and evaluate new features across data analytics, machine learning and GIS mapping.
- Contribute to the product backlog by designing, developing and testing features (i.e. general full-stack development).
- Code reviewing the work of other developers.
- Researching and recommending appropriate technologies and best practices.
- Writing front and back end code.
- Creating, maintaining and presenting project implementation plans.

- Contributing to sprint planning and backlog refinement activities.
- Ensuring that output is intuitive, performant, mobile friendly, compatible, accessible and secure.
- Writing detailed feature documentation in Jira e.g. user stories and acceptance criteria.
- Advising what technology is best to solve a given problem.
- Writing and executing automated test scripts.
- Attending customer focus groups and workshops.
- Ensuring that code produced is of high quality.
- Keeping up to date with programming knowledge and industry trends.
- Prototyping user interfaces to illustrate possible solutions.
- Diagnosing and fixing software issues.
- Documenting code where appropriate.
- Adhering to best programming practices e.g. naming conventions, DRY, clean code.
- Refactoring and optimising existing software code.
- Maintaining good communication with project stakeholders.
- Interpreting software requirements and specifications.

Key skills required:

- An understanding of supervised and unsupervised machine learning.
- An understanding of ML tools and their applications (PyTorch or TensorFlow).
- An ability to execute to a high level and take care in delivering quality across code, design and product.
- An excellent literacy standard in English and good communication skills.
- An ability to multitask and prioritise work effectively.
- Familiarity with tools such as Microsoft Office, Google Suite, PHPStorm, Git, GitHub, Jenkins and Jira.
- An ability to solve problems quickly and effectively.
- An ability to identify the root cause of a problem.
- An ability to ask effective questions to troubleshoot a problem.
- General office administration and record keeping capabilities.
- An aptitude to respond appropriately via telephone or email to product queries.
- An ability to review the language, grammar and layout of documents.
- An ability to type at a reasonable speed.

The postholder should be able to demonstrate the following qualities:

- An interest in React front-end development, API development in Laravel, and Python.
- An interest in infrastructure and cloud based tools for deploying ML “in the wild”.
- An interest in statistics, data analytics and defining problems as well as solutions.
- An interest in noise, acoustics and audio engineering.
- A willingness to work to deadlines and under pressure.
- A willingness to learn about the company's products.
- A willingness to work on new prototypes as well as general product backlog work.
- A high level of attention to detail.
- A resourceful attitude to problem solving and an ability to communicate issues for rapid resolution with line manager and/or colleagues.

- An aptitude for supportive and positively engaged team working and collaboration with colleagues.
- A flexible approach to work requirements and the scope to undertake some work outside normal working hours as required by the demands of the business.
- An ability to maintain concentration.
- An education to degree level. This is not essential but will be regarded as desirable.

Additional Information

As the company is expanding there may be future work and/or career progression opportunities for the right person.

The post is subject to the contract of employment signed by the post-holder and the Company's Staff Handbook, which lists the company's employment policies and UK employment law.