

# Full-stack Software Engineer

**Company:** WavEC Offshore Renewables

**Location:** Lisbon, Portugal (Hybrid work regime)

**Experience Level:** Intermediate (2-6 years)

**Employment Type:** Part-time / Full time

**Deadline for Applications:** 29<sup>th</sup> of April

## **About WavEC Offshore Renewables:**

WavEC Offshore Renewables is a private non-profit organization, with a strong R&D background, dedicated to unlocking energy transition through the development of engineering solutions and consultancy services to the marine renewable energy sector. Founded in 2003, WavEC has cemented its position as a leading international authority on the topic, supporting the full lifecycle of marine renewable energy technologies, from the conceptual design and tank-testing to the licensing, permitting, construction, deployment, and operation.

## **Job Brief:**

WavEC is involved in several European Research projects covering multidisciplinary areas within marine renewable energies. One of the current areas entails the design, development, and implementation of the digital twin of the oceans, as to enable a deeper comprehension of ocean systems through real-time simulation, which ultimately may leverage smarter design solutions and leaner operation of marine energy technologies. Within this context we are looking for a full-stack developer to design and implement our numerical tools, supporting our work. The ideal candidate should possess a master's degree in software engineering (or equivalent knowledge), relevant experience (2-6 years), a tech-savvy mindset, excellent coding skills, and an interest in contributing to the decarbonisation of the power sector.

## **Essential skills:**

1. Master's degree in computer engineering (or equivalent)
2. Solid experience in development with Python and Django
3. Knowledge in relational databases, such as PostgreSQL
4. Experience in the development of APIs and JSON REST, to support frontend applications
5. Competence in frontend frameworks, such as Vuetify and Vue.js
6. Familiarity with the development of SPA applications
7. Knowledge of agile recommended practices and continuous delivery methods is differential
8. Very good proficiency in both written and spoken English
9. High degree of autonomy, compromise, sense of responsibility, and willingness to learn everyday
10. Growth and team player mindsets with a proactive attitude

**Desirable skills** (nice to haves, it is not expected that a single candidate will be able to meet all/most of these skills)

1. Knowledge of DevOps, including continuous integration, continuous delivery and configuration management.
2. Familiarity with Automation tools such as Jenkins, GitLab CI/CD, Travis CI or CircleCI.
3. Infrastructure as Code (IaC): Ability to create and manage using tools such as Ansible, Chef, Puppet or Terraform.
4. Experience in creation and management of test environments.
5. Ability to develop automatic tests using frameworks and tools for each application layer. Specifically, knowledge of test frameworks in Python, such as PyTest, and frontend tools, such as Selenium.
6. Understanding monitoring and logging within application development. Specifically using tools such as Prometheus, Grafana and ELK Stack.
7. Knowledge of safety and conformity principles, including the implementation of automatic security tests, integration of static code analysis tools and adequate configuration access policy and permissions.
8. Collaboration and Communication: Ability to work in a team and to effective communicate with developers and testers. This includes the adoption of continuous integration practices and collaboration through version control tools such as Git, and communication platforms such as Slack or Microsoft Teams.
9. Experience in AI/ Machine Learning / Unsupervised learning/ Computer vision tools

**What we offer:**

1. A Hybrid work regime with a lot of flexibility and trust
2. Competitive salary
3. The opportunity to grow in the company, embrace different challenges as the time comes
4. The opportunity to join a multi-disciplinary team filled with learning opportunities.
5. The opportunity to join a fast-growing sector.

**Application:**

Candidates should submit their applications by email to [ricardo.pereira@wavec.org](mailto:ricardo.pereira@wavec.org) , including in attachment their CV and short introduction letter. Emails should be addressed to Ricardo Santos Pereira and include “Software Engineer application” in the subject line.