

Company
Description

Deustotech

Information

Deadline: 2021-03-15
Category: Business
Province: Bizkaia

Country: Spain
City: Bilbao

Company

Universidad de Deusto



Main functions, requisites & benefits

Main functions

The MORElab research group <http://morelab.deusto.es/> wishes to open a position in the area of "public/private co-creation of new generation public services around disruptive technologies such as Big Data, Web 3.0, Blockchain and web service architectures based on microservices and containers". The job position will also be exposed to other scientific/technological disciplines such as Web Data, Crowdsourcing, quality of user-generated data or Artificial Intelligence. This job offer is part of the European project "INTERLINK: Innovating governance and ciTizen co-dELiveRy for the digitaL sINGle market", which begins in January 2021 and will last 36 months, that is, until December 2023. Below is a summary of the INTERLINK project. INTERLINK will overcome the barriers that hinder administrations to reuse and share services with private partners (including citizens) by combining the advantages of two often opposed approaches: (1) the "top-down" approach where Government holds primary responsibility for creating these services compliant with EU directives, sometimes seeking the support of citizens for specific design or delivery tasks; and (2) the "bottom-up" approach in which citizens self-organize and deliver grassroots services where government plays no active role in day-to-day activities but may provide a facilitating framework. The candidate will assume a fundamental role in the development of INTERLINK's technical solution, contributing through the MORElab research group to the following two objectives: To provide a set of Interlinkers, digital enablers that will standardize the basic functionalities needed by private actors to co-produce a service, in order to eliminate the technological barriers and foster the delivery of interoperable, inclusive, sustainable and ethical public services. To deliver the INTERLINK framework and operational platform, an open software system leveraging on mobile communications. The candidate, together with the main researcher (PI) of the project from DEUSTO, will be responsible for the following two tasks: T4.4 INTERLINK responsive portal front end (M7-M36) T4.5 Instantiation for the use-cases (M17-M32) Furthermore, it is important to highlight that their activity will be exclusively associated with the INTERLINK project and they will contribute with ideas and/or improvement of techniques or methodologies. However, the applicant will also support the PI in the definition of new proposals in the project area. The candidate will: S/he will collaborate in the scientific dissemination of the research team s/he will be enrolled in by publishing in journals of impact and conferences. S/he will be trained and fully aware of the ethical issues involved in his research work and its alignment with the mission, values and organisational principles of the University of Deusto. S/he will have academic support and training to develop her/his skills in order to assume greater responsibilities associated with a higher profile.

Requisites

Experience working with state-of-the-art web development technologies combining advanced knowledge of progressive web interfaces (PWA) in the front-end and scalable RESTful services provision in the back-end, supported by the Microservices design pattern. Awareness and scientific-technical interest in the fields of Web Data, Linked Data, Open Data, Crowdsourcing, Social Data Mining, User-generated Data and Big Data Analytics. Combine high technical training presented in the previous point with scientific interest in contributing through ICT tools to democratize and improve the adoption of public services open to citizens and businesses.