Call for expression of interest for a position of a
Software Engineer
in the Institute of Computer Science (ICS)
Foundation for Research and Technology – Hellas (FORTH)

Position(s): One (1) position of a Software Engineer

Projects: Seafaring Lives in Transition. Mediterranean Maritime Labour and Shipping during
Globalization, 1850s-1920s – SeaLiT, GA 714437, funded under Horizon 2020, H2020-EU.1.1.
- EXCELLENT SCIENCE - European Research Council (ERC), ERC-2016-STG

Desired starting date: January 1, 2018
Duration: 13 months with possibility of extension
Location: Heraklion, Crete, Greece
Opening date: 20-11-2017
Closing date: 04-12-2017
Ref.: “SeaLiT-01-Nov2017”
Description
The candidate will participate in the R&D activities of FORTH in the context of the projects:
Seafaring Lives in Transition. Mediterranean Maritime Labour and Shipping during
Globalization, 1850s-1920s – SeaLiT, GA 714437, funded under Horizon 2020, H2020-EU.1.1.
- EXCELLENT SCIENCE - European Research Council (ERC), ERC-2016-STG
In the context of this project, FORTH, along with the project’s partners, will develop an information management strategy meeting the needs of: primary research data production, centralized data management, semantic data transformation and information visualization/publication in a public website and specialist research database. This strategy envisions supporting an information flow that will allow researchers to build data with quick entry tools locally and then integrate this data to a common semantic network of information which will enable the project to carry out research across a wide, integrated dataset efficiently and intuitively, create analytic reports therefrom, as well as present this data in visually engaging ways to the broader public.

More explicitly this information strategy includes software systems and tools for
- Data acquisition
- central database system for saving, sharing and retrieving datasets
- robust metadata control for datasets
- user access facilities to control appropriate access to research data
- control of publication of datasets to semantic search tool and/or public website

- Required qualifications:
  - University degree in Computer Science
  - MSc in Computer Science, in Information Systems
  - Five years working experience in the design and implementation of advanced platforms for web services, with special interest in:
    - Web programming and technologies (java, javascript,/jquery, php, HTML5, CSS, bootstrap, json)
    - Web services (Restful, SOAP)
  - Five years working experience in the area of Semantic Web and Big Data with special interest in:
    - Design and knowledge representation (RDF, OWL, SPARQL, XML)
    - Knowledge storage and management using state of the art technologies
      - Triples Stores (Virtuoso, Blazegraph, GraphDB, RDF4J etc.)
      - Relational Databases (MySQL, Oracle, etc.)
      - NoSQL solutions (Cassandra, MariaDB etc.)
      - Cloud Storage implementations (Dydra, Amazon EC2 etc.)
  - Working experience in EU projects
  - Fluent knowledge of English
  - Completed military obligations (for Greek citizen male candidates)

- Desired qualifications:
  - Willingness and ability to work cooperatively within a research team, to learn, and to adapt to the projects

Application Submission
Interested candidates can submit their applications via [http://www.ics.forth.gr/jobs/en/](http://www.ics.forth.gr/jobs/en/) using the link “Apply for the position” under the announcement. Applications must include:
- Detailed CV, including qualifications and interests in the above areas, and proof thereof;
- Scanned copies of academic titles;
- Analytical grade for each undergraduate and postgraduate course
• Letters of recommendation, detailed presentation of prior work, studies and/or publications, demonstrating knowledge of desired skills.
• Certificate of completion of military obligations (for Greek citizen male candidates)

Contact Information:
• For information and questions about the advertised position the activity of the group or the Institute, please contact Maria Moutsaki (moutsaki@ics.forth.gr)

Selection Announcement
The result of the selection will be announced on the website of ICS-FORTH. Candidates have the right to appeal the selection decision, by addressing their written objection to the ICS secretariat within five (5) days since the results announcement on the web. They also have the right to access (a) the files of the candidates as well as (b) the table of candidates’ scores (ranking of candidates results). All the above information related to the selection procedure will be available at the secretariat of ICS-FORTH in line with the Hellenic Data Protection Authority.