Call for expression of interest for one (1) position of a software engineer with a MSc degree in Computer Science, Computer Engineering, or Electrical Engineering, at the Institute of Computer Science (ICS) Foundation for Research and Technology – Hellas (FORTH)

Position(s): One (1) position for the REBECCA and CYBERSPACE projects

Projects: REBECCA (GA 101097224) funded under HORIZON-KDT-JU-2021-2-RIA., CYBERSPACE (GA 101038738) funded under ISFP-2020-AG-CYBER

Duration: 6 months, with possibility of extension

Location: Heraklion, Crete, Greece

Opening date: 23/3/2023

Closing date: 03/4/2023

Ref. : software_engineer_with_MSc_Mar2023

Description

We seek one (1) software engineer with a MSc degree in Computer Science, Computer Engineering, or Electrical Engineering. The candidate will participate in the R&D activities of FORTH in the context of the EC-funded projects REBECCA and CYBERSPACE. The project REBECCA, a heavily SME-driven project, will democratize the development of novel edge AI systems. Towards this aim, REBECCA will develop a purely European complete Hardware(HW) and Software(SW) stack around a RISC-V CPU, which will provide significantly higher levels of a) performance (e.g. inferences per second), b) energy/power efficiency (e.g. inferences per joule/watt), c) safety and d) security than the existing ones. This will be achieved by utilizing state-of-the-art technologies and by making significant scientific and technological advances in several key relevant domains, including a) processing units, b) hardware accelerators, c) reconfigurable hardware, d) tightly coupled interconnected chiplets e) HW/SW co-design and co-development tools, f) system software, g) middleware, and h) AI libraries and frameworks. REBECCA will significantly contribute to realizing business and societal opportunities by validating and demonstrating its approach on 4 real-world use cases and 2 benchmarks based on real-world applications from the Smart appliances, Energy Generation, Infrastructure Inspection, Avionics Automotive and Health domains. The project CYBERSPACE will provide LEAs, policymakers and the private sector with a better picture of the extent of cybercrime and cyberattacks in the EU. The project will stimulate stakeholders to report such attacks to their LEAs and CERTs. CYBERSPACE will map to whom such attacks should be reported and the actions taken in response. We will enhance the capacity of LEAs and forensics institutes to investigate cybercrimes and cyberattacks.

Requirements

- University degree in Computer Science, Computer Engineering, or Electrical Engineering
- University MSc degree in Computer Science, Computer Engineering, or Electrical Engineering
- At least eight years of experience with European research projects (technical reports, deliverables writing, support in management)
- At least eight years of experience with research projects related to honeypots, visualization tools, and network level security
- At least five years of support and management of multiple social media dissemination accounts across different channels
- Excellent web and systems programming skills in C, Java, PHP and Python
- Excellent knowledge in designing, implementing and integrating web-based IT systems (back-end, front-end), using...
Desired qualifications
Knowledge of and/or experience in and/or strong interest to learn:
- Capability to identify cybersecurity research and innovation challenges
- Expertise with the concepts and technical aspects of cybersecurity roadmapping, cybercrime, and awareness tools
- Experience with web/application servers (e.g. Apache, Nginx, Tomcat, etc.)
- Experience with deployment/configurations and management of databases and database systems, such as PostgreSQL and MySQL relational databases
- Experience in setting up/configuring and maintaining collaboration tools (e.g. ownCloud, git, etc.)

Application Submission
Interested candidates can submit their applications via https://www.ics.forth.gr/jobs 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 and other titles.
Promising candidates may be invited for an interview before a decision is made.

Contact Information
- For information and questions regarding the application and selection procedure, please contact: webmaster@ics.forth.gr
- For information and questions about the advertised positions, the activities of the group, or the Institute, please contact Stelios Louloudakis (slouloudak@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. Access to personal data of co-candidates shall be limited to personal data (and relevant data) and supporting documents which have been the basis of the evaluation of the candidates for the specific post(s). Prior to the announcement of the personal data and/or documents of the co-candidates to the applicant, FORTH will inform the data subjects in an appropriate way.

FORTH is compliant with all legal procedures for the processing of personal data as defined by the Regulation EU/2016/679 on the protection of natural persons with regard to the processing of personal data.

FORTH processes the personal data and relevant supporting documents that you have submitted to us. Processing of that data is carried out exclusively for the needs and purposes of this specific call. Such data shall not be transmitted to or communicated to any third party unless required by law.

FORTH retains the above data up to the announcement of the final results of the call, unless further process and reservation is required by law or for purposes of exercise, enforcement, prosecution of certain one’s legitimate legal rights’ as defined in the Regulation EU/2016/679 and/or in national law.

We inform you that under the Regulation EU/2016/679 you have the rights to be informed about your personal data, access to, rectification and erasure, restrictions of process and objection to as provided by applicable regulation and national laws.

We acknowledge also to you, that you have the right to file a complaint to the national Data Protection Authority. For any further information regarding exercise of your personal data protection rights, you may contact the Data Protection Officer at FORTH at dpo@admin.forth.gr.

You have the right to withdraw your application and consent for the processing of your personal data at any time. We inform you that, in this case, FORTH shall destroy such documents and/or supporting documents submitted and shall delete the related personal data.