

Salzburg Research is an **ICT research and development firm** financed to one third by local government and to two thirds by external research contracts. We are over 60 people organized in four research groups.



Salzburg Research's IOT group is active (as coordinator and research partner) in several EU ICT projects as well as in large national R&D projects, always in collaboration with industry partners. We follow a permissive open source strategy (typically Apache 2.0 or similar) that makes it possible for partners and employees alike, to re-use our results for commercial or academic follow-up.

We are now entering a new large scale European project and have several national and European projects ongoing. We therefore want to extend and strengthen our team:

RESEARCHER (m/w)

Security, Privacy, Trust and Reputation

You have a BSc degree in software engineering and solid experience in developing microservice-based systems, or MSc/PhD in Computer Science, Mathematics or Engineering with a solid background in Cybersecurity and Machine Learning, and you enjoy applied research and development. We are specifically looking for people who are developing open source software, and who are well versed in Java or Python.

In order to qualify for the job, you need to have significant practical knowledge in the described areas and the willingness to spend the next three years with us. We typically offer open-term contracts so as long as we are successful as a group, you will have the opportunity to work with us.

You are knowledgeable in the field of Cybersecurity architectures and have done an MSc or PhD project where security was at the center of the investigation. You have knowledge and understanding of:

- Built-in security and privacy mechanisms during the development stages of software systems (i. e. identity management, authentication, authorization, access controls) and data centres (data/message integrity, data encryption)
- Security and privacy challenges in a microservice world (e. g. secrets management API in Kubernetes, Docker/Swarm, Keycloak)
- Security and privacy dashboards for monitoring for attacks and intrusions; looking for vulnerabilities in APIs, applications, services, hardware
- Using data and Machine Learning techniques to detect anomalies e.g. attackers and system failures

Salzburg is one of the most sought-after destinations in the world for quality of life so it's a place that you can also proudly show to your parents or your friends – take them for hikes in the mountains or for skiing when you're on holiday!

More details about us: www.salzburgresearch.at/jobs

The gross annual salary for 38.5 hours per week is **at least EUR 41.454,00** according to the research collective agreement in the **E1 level** with the possibility of overpayment. The actual classification is based on your qualification and experience.

Please mail your application with the ID [IoT] to: jobs@salzburgresearch.at

We are looking forward to hearing from you!