



## SOFTWARE ENGINEER (M/F/D) AT SMART HOME VENTURE

### VENTURE DESCRIPTION

The venture develops a platform for the safe and secure automation of smart homes. Therefore, the venture leverages a new technology that allows a straightforward way for creation of automation tasks. With this system, only a description of the task's behavior is required, enabling even laypersons to realize their individual desires on their own. During the creation, requirements are automatically analyzed and solution strategies are provided in case of faulty or insecure behavior.

The venture's goal is proving the technology to be market-ready. To this end, the venture integrates its software with a real-world Smart Home, which then is used to demonstrate the advantages.

#### What you will do:

- Identify user and market desires and associate them with matching algorithmic solutions.
- Implement research driven algorithms and boost them according to our application needs.
- Develop a modern and intuitive interface for the interaction of the user with our platform.
- Play with different IoT-devices and incorporate them to an intelligent home by connecting them to our platform.

#### What we look for:

- Master's degree in computer science (or equivalent) with backgrounds in reactive systems, verification, security, embedded devices, or human-computer-interaction.
- The enthusiasm to solve algorithmic and conceptual challenges, instead of repeating standard programming tasks.
- Coding experience and interest in the integration and extension of modern programming concepts.
- The passion for pushing innovative technologies to solve the rising challenges of today's more and more evolving markets.

### WHAT WE OFFER YOU

We have entered a decade of disruption, driven by a dramatic shift in the power of technology and the audacity of startups. In order to be fit for the future, visionary companies will deliberately re-imagine themselves by injecting or attacking established business models with new ideas fueled by technology. Now it is your chance to be part of such a venture.

You have the chance to join an expert team at one of the world's most innovative cybersecurity ventures. Securing society in a digital age.

### BENEFITS AND OTHER PERKS

You get the chance to discuss product development with leading researchers and have exclusive insights into the process of gaining market readiness and traction as an early stage venture. Work in an open and innovative environment where professional development is fostered and have access to coaching by world-class experts. Furthermore you get your own area of responsibility and you can be sure that there is an adventure awaiting you.

### APPLICATION

If this challenging task appeals to you, we look forward to get to know you. Please send your application together with the usual documents (complete curriculum vitae, certificates, references if available) – summarised in a PDF document – by e-mail to: [ventures@cispa.saarland](mailto:ventures@cispa.saarland).

For further information about the position please contact Lukas Bieringer ([bieringer@cispa.saarland](mailto:bieringer@cispa.saarland)).