Reference: EXP-RECR-2401
Position:

Software Research & Development Specialist

The ideal candidate is a self-motivated, multi-tasker, and demonstrated team-player. You will be a lead researcher and developer responsible for the development of new software products related to edge computing software stacks and systems. You should excel in working with high-level software architectures and frameworks and have outstanding communication and leadership skills.

Responsibilities

- Design and develop the control algorithms and protocols for stand-alone and distributed computer systems, focusing on dependability and resilience against faults and cyberthreats.

- Deploy the developed algorithms and protocols on industrial embedded systems and edge computing clusters.

- Lead the development process from concept to deployment, including architecture, design, implementation, and testing.

- Collaborate within the team to integrate software and hardware.

- Stay up-to-date in topics relevant to the position including: new dependable software developments, new processing techniques including ML/AI, heterogeneous processing

Qualifications

- Master's degree in Computer Science, Computer Engineering, Software Architecture, or a related field.

- Preferred a PhD degree in Computer Science, Computer Engineering, Software Architecture, or a related field.

- Minimum 4 years of experience in research and development of software algorithms related to system dependability and performance. Experience can be demonstrated by successful completion of relevant PhD program.

- Proven experience in programming distributed systems.

- Strong programming skills in C/C++, Python, JavaScript.

- Deep understanding of Byzantine Fault Tolerance and relevant fault models.

- Experience with Linux/Windows platforms and setting own tool chains.

- Familiarity with cloud computing principles (AWS, GCloud etc), virtualization (Docker etc)

- Excellent problem-solving abilities and a passion for innovation.

Desired Skills:

- Hands-on experience in prototyping distributed systems.

- Knowledge of security principles for distributed systems.

- Experience with continuous integration and version control tools.

Please, send your Resume, Motivation Letter and portfolio of conducted research work, by email, stating in the subject offer's reference number to:

office@expansium.lu