

Research Engineer II (Trust Technologies)
Nanyang Technological University

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Posted Jul. 29, 2024, set to expire May 6, 2025

Job Title	Research Engineer II (Trust Technologies)
Department	Digital Trust Centre
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Jul. 29, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Professional Staff
Academic Field(s)	Computer/Information Sciences Sciences - General
Job Website	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Engineer-II--Trust-Technologies-_R00017955
Apply By Email	
Job Description	

Digital Trust Centre (DTC) is looking for a candidate to join them as a Research Engineer II.

Key Responsibilities:

- Conduct research and development in trust technologies – translating algorithms into tools and frameworks and implementing working prototypes that can demonstrate how research outputs

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can be innovated to build new capabilities.

- Work closely with Centre's researchers to design and develop research prototypes into the proof-of-concept systems.
- Design and build working tools that can support the technology transfer of new capabilities to research partners and can be used to showcase the value of a given research outcome.
- Write and maintain technical documentation, presentations, and papers on research into trust technologies testing, helping to educate and raise the overall competency in emerging areas of trust technologies.
- Engage global partners and researchers to understand latest trends and advance Singapore's mindshare in this domain.

Job Requirements:

- Master's degree in computer science/ engineering or related fields required.
- Minimum of 5 years continuous working experience in a similar role will be considered when appropriate.
- Bachelor degree with minimum 8 years relevant experience may be considered.
- Proficiency in programming languages Java, C/C++ is a must.
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Experience in other programming languages and/or frameworks such as Python, Spring will be an advantage.

- Proficiency with using common Linux distributions such as Ubuntu, CentOS is a must.
- Proficiency and experience in developing network and communication protocols and using socket programming in cloud-based systems is a must.
- Proficiency in installing, configuring and using SQL database is a must. Experience in other data processing technologies such as NoSQL, Hadoop will be an advantage.
- Proficiency and experience in working with different virtualization technologies to enhance cloud service system performance is a must.
- Experience in developing ML systems from end to end, including data exploration, feature engineering, model training/evaluation will be advantageous.
- Good communication skills and some interdisciplinary interest is desired, to be able to interact with researchers at the Centre.
- Ability to work independently and to develop solutions under strict timelines is a must.
- Ability to code-switch effortlessly between talking business and talking tech, and can help stakeholders, engineers, and businesses easily understand difficult research tech concepts.
- Good knowledge of system platform development, socket programming, middleware technologies, API development, related application frameworks and service layer models.
- Familiarity with general API security concepts (such as key validation, authentication,

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authorisation)

- Good understanding of relational database and Unix shell scripting skills.

We regret to inform that only shortlisted candidates will be notified.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Digital Trust Centre
Nanyang Technological University
Singapore