

Research Engineer I (Trust Technologies)  
Nanyang Technological University

Direct Link: <https://www.AcademicKeys.com/r?job=242285>

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

<b>Job Title</b>	Research Engineer I (Trust Technologies)
<b>Department</b>	Digital Trust Centre
<b>Institution</b>	Nanyang Technological University Singapore, , Singapore
<b>Date Posted</b>	Jul. 29, 2024
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available Immediately
<b>Job Categories</b>	Professional Staff
<b>Academic Field(s)</b>	Computer/Information Sciences Sciences - General
<b>Job Website</b>	<a href="https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Engineer-I--Trust-Technologies-_R00017952">https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Engineer-I--Trust-Technologies-_R00017952</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

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

**Key Responsibilities:**

- Conduct research into trust technologies testing – translating algorithms, tools, and frameworks into working prototypes that can explain how research outputs can be productised into new

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capabilities.

- Work closely with Centre's researchers to design and develop system implementation work from research into the product.
- 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:

- Minimum Bachelor's degree in computer science/ engineering or related fields.
- Proficiency in programming languages Java, C/C++ is a must. Experience in other programming languages and/or frameworks such as Python, Go, Spring will be an advantage.
- Proficiency with working with common Linux distributions such as Ubuntu, CentOS, RHEL etc. (including shell scripting) is a must.
- Proficiency and experience in developing network and communication protocols and using socket programming in cloud-based systems is a must.
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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.
- 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, 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

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