

1 September 2024

Dear Alex,

We are pleased to offer you the position of **Senior Advisor (Digital Strategist)** at the National Supercomputing Centre Singapore (NSCC). This appointment is effective as of 1st September 2024 for a period of 12 months.

**A digital strategist is a unique blend of technical acumen and strategic thinking.** As Senior Advisor ((Digital Strategist), you will play a pivotal role in shaping NSCC's digital landscape, aligning the NSCC's computational resources with its overall business objectives.

Your responsibilities shall include but not be limited to:

- **Understanding HPC Capabilities:** You must have a deep understanding of HPC technologies, including hardware, software, and applications. You should also be able to articulate the potential of HPC to solve complex problems and drive innovation.
- **Business Alignment:** You will bridge the gap between the Tech Ops department and the business units; identifying business challenges that can be addressed through HPC, develop use cases, and prioritise projects based on their potential impact.
- **Data Strategy:** HPC often generates massive amounts of data. You will play a crucial role in developing a data strategy, including data storage, management, and analysis. This will involve working closely with NSCC colleague to extract valuable insights.
- **Cloud Integration:** Many organisations are adopting hybrid or cloud-based HPC environments. You must evaluate cloud platforms for their suitability, develop migration strategies, and ensure seamless integration with the existing and future HPC infrastructure.
- **Performance Optimisation:** HPC systems are complex and require constant optimisation. You will work with the Tech Ops teams to identify performance bottlenecks, implement performance-enhancing measures, and ensure optimal utilisation of resources.
- **Security and Compliance:** HPC environments handle sensitive data, making security paramount. You will be responsible for developing and implementing robust security measures to protect data and comply with industry regulations.
- **Talent Acquisition and Development:** Building a skilled HPC team is essential. You can assist to identify talent needs, develops training programs, and foster a culture of innovation and collaboration.
- **Cost Optimisation:** HPC resources can be expensive. You can analyse cost-benefit ratios, explore cost-saving opportunities, to ensure efficient resource allocation.
- **Communication and Partner/Stakeholder Management:** Effective communication is crucial. You shall communicate the value of HPC to various partners/stakeholders, including

executives, scientists, engineers, and end-users. They build strong relationships and manage expectations.

We are confident in your ability to contribute significantly to NSCC's success. We look forward to your valuable contributions to our team.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jerry Lim', with a stylized flourish at the end.

Jerry Lim  
Director, Corporate Services  
NSCC Singapore