**Career Report**

Name: Lincoln Lim Ken Yang

Admin No.: 233531N

Diploma: Diploma in Information Technology

School: School of Information Technology

Expected Graduation Year: 2026

Career Research Report Update: 22-JAN-2025

**Name of Sector:** Technology

**Name of Company :** GovTech Singapore

**Job Title:** Software Engineer

**Emerging trends in the sector**

* Artificial Intelligence (AI) and Machine Learning (ML): Increasing use of AI to power smart systems in urban planning and public services.
* Cybersecurity: Heightened demand for protecting sensitive data against cyber threats.
* Cloud Computing: Growth of cloud-based solutions to manage and store data efficiently.
* Smart Nation initiatives: Development of digital government services to improve citizens' lives.

<https://www.tech.gov.sg/>

**Company’s Vision, Mission, Values, Culture**

**Vision:** To make Singapore a Smart Nation through digital transformation.

**Mission:** Harness technology to improve the lives of Singaporeans, empower businesses, and deliver innovative public services.

**Values:** Innovation, Integrity, Excellence, Collaboration.

**Culture:** A forward-looking environment that encourages innovation, collaboration, and continuous learning.

* **Skills:**
* Proficiency in programming languages such as Python, Java, and JavaScript.
* Knowledge of cloud platforms (AWS, Azure).
* Familiarity with Agile methodology and DevOps tools.
* Problem-solving and critical thinking.
* **Attributes:**
* Strong communication and teamwork skills.
* Curiosity and a passion for learning new technologies.

**What skills and attributes are required?**

**What qualifications and training are required?**

* A degree in Computer Science, Information Technology, or related fields.
* Certifications in cloud computing, cybersecurity, or software development (e.g., AWS Certified Solutions Architect).
* On-the-job training programs, such as internships or GovTech’s TechSkills Accelerator (TeSA).

**What are other companies offering this job?**

**Career Outlook and Progression**

* Google Singapore (Software Engineer, Cloud Developer).
* Microsoft Singapore (Solutions Engineer, AI Specialist).
* Grab (Backend Developer, AI Engineer).
* IMDA (Digital Transformation Specialist).
* NCS (Software Engineer, Digital Government Specialist).
* Entry-level roles include software engineers, data analysts, and cybersecurity analysts.
* Mid-career progression includes senior software engineers, solution architects, and team leads.
* Leadership roles such as CTO or Director of Technology are attainable with experience.
* Growing demand for tech talent in Singapore ensures a bright career outlook.
* Primarily working with Ideas and Data to develop and implement software solutions.
* Collaboration with People in cross-functional teams to deliver projects.
* Office environment with opportunities for remote or hybrid work arrangements.
* Emphasis on work-life balance with flexible hours.
* Access to cutting-edge technology and innovation labs.

**Work Environment**

**Working with Things, Ideas, People or Data?**

**Appendix Aii) – Creation of Linkedin Account**

**LinkedIn Account link here :** [**Lincoln Lim Ken Yang | LinkedIn**](https://www.linkedin.com/in/lincoln-lim-ken-yang-674421297/)