

# Jerome Lieow

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Multi Cloud and Kubernetes Certified Solution Architect at Cloud Mile, a Google Premier Partner. 8 YOE in full stack, Cloud, DevOps and Platform Engineering.

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## PROFESSIONAL EXPERIENCE

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### **Regional Solution Architect – Cloud Mile Pte Ltd**, Singapore, Jan 2025 – Current Position

- Engaged customers across Southeast Asia and greater Asia-Pacific to align business goals with scalable cloud architectures.
- Played a key role in attaining H1 target for **SGD 27M** annual cloud revenue target for Singapore.
- Mentored architects and engineers, guiding them in solution design and pre-sales engagements.

### **Solution Architect – Cloud Mile Pte Ltd**, Singapore, Jan 2024 – Dec 2024

- Played a key role in attaining the **SGD 15M** annual cloud revenue target for Singapore.
- Perform discovery to understand customer's business goals to technical solutions and architecture designs.
- Architect and deploy workloads on AWS, Azure, GCP, Government Commercial Cloud (GCC1.0 and GCC2.0) environments and integrated with ISVs such as MongoDB, Snowflake and Confluent.
- Run workshops and build POCs on VMs, serverless and Kubernetes workloads across AWS, Azure and GCP.
- Optimise expenditure, increase security and build a migration case for clients' existing infrastructure state across Cloud providers in accordance to the Well Architected Framework.
- Led the creation of enablement syllabus and GTM material for Looker BI.
- Automated deploying and cleaning up AWS multi-account environments via AWS and GCP for students of Institutes of Higher Learning (IHL).
- Architected GenAI solutions from blueprint creation to deployment.

### **Senior Solution Engineer – Cloud Mile Pte Ltd**, Singapore, Jan 2023 – Dec 2023

- Architected and implemented a Hub and Spoke architecture on AWS which centralizes ingress, egress, inspection and logs, deployed via GitOps using Terraform.
- Designed and implemented solutions with ISVs such as Snowflake, Fivetran, Twilio and DataDog.
- Implemented a GitOps process on GitHub using Terraform, providing a team of 10 engineers a centralised platform to provision cloud resources on AWS and Azure, strengthening least privilege access and providing a traceability record for deployments.
- Developed ChatOps on Slack with GCP cloud functions using TypeScript, which provided 15 developers across 3 teams with a self-service method to provision infrastructure to multiple cloud service providers.
- Built a Python3 tool, Terraform Manager, extending the Terraform CLI to standardise and enforce a code structure, improve knowledge/documentation management and onboarding of new engineers.
- Set up and deployed Ansible to manage VM and container configurations across environments and peered networks and integrated it with Hashicorp Vault for secret management.
- Self-hosted dev tools such as GitLab, Mattermost, DependencyTrack, DefectDojo, HashiCorp Vault, and PostHog on VM and serverless infrastructure.
- Provide training and mentorship for new hires and customers.
- Conduct interviews to assess the qualifications and fit of potential candidates.

### **Associate Lecturer (CSIT 242 - Mobile Application Development) – SIM University**, Singapore, Jan 2022 – Mar 2022

- Setting course assignments and conducting lectures.
- Conducting all forms of assessment and evaluation required by the institution.

### **Solution Engineer – Cloud Mile Pte Ltd**, Singapore, Aug 2021 – Dec 2022

- Responsible for implementing and securing multi-cloud (GCP, Azure and AWS) landing zones.
- Familiar with implementing and securing CI/CD pipelines on GitHub and GitLab.
- Support sales teams during client calls, by delivering and demonstrating POCs, fronting technical queries and preparing demos when Solution Architects are unavailable.
- Support customer success team by providing L1 to L3 technical support and training materials.
- Increased company product offerings by attaining technical verification/certifications.

### **Air Force Engineering Officer (Avionics) – Republic of Singapore Air Force**, Singapore, Jan 2017 – Aug 2021

- Developed multiple Android Applications one of which was integrated with GovTech's TraceTogether (COVID-19 tracing app). The success of these collaborations proved the need for a new capability which resulted in the launch of the RSAF Agile Innovation and Digital (RAiD) department.
- Responsible for the airworthiness of the avionics and electrical system of the F-15SG, AH-64D and S-70B.
- Led multiple teams in country and overseas to provide maintenance support and recovery for AH-64Ds.

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## CERTIFICATIONS

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<a href="#"><u>Certified Kubernetes Administrator</u></a>	<a href="#"><u>Azure Solutions Architect Expert</u></a>
<a href="#"><u>GCP Professional Cloud Architect</u></a>	<a href="#"><u>Azure DevOps Engineer Expert</u></a>
<a href="#"><u>GCP Professional Cloud Developer</u></a>	<a href="#"><u>Azure Developer Associate</u></a>
<a href="#"><u>GCP Professional Google Workspace Administrator</u></a>	<a href="#"><u>Azure Data Engineer Associate</u></a>
<a href="#"><u>GCP Professional Cloud DevOps Engineer</u></a>	<a href="#"><u>Azure Network Engineer Associate</u></a>
<a href="#"><u>GCP Associate Cloud Engineer</u></a>	<a href="#"><u>Azure Security Engineer Associate</u></a>
<a href="#"><u>GCP Looker LookML Developer</u></a>	<a href="#"><u>Azure Administrator Associate</u></a>
<a href="#"><u>Certified ScrumMaster</u></a>	<a href="#"><u>AWS Certified Solutions Architect – Professional</u></a>
<a href="#"><u>Certified Scrum Product Owner</u></a>	<a href="#"><u>AWS Certified DevOps Engineer – Professional</u></a>
<a href="#"><u>DataDog Technical Specialist Certification</u></a>	<a href="#"><u>AWS Certified SysOps Administrator – Associate</u></a>
<a href="#"><u>MongoDB Associate Database Administrator</u></a>	<a href="#"><u>Snowflake SnowPro Core</u></a>
<a href="#"><u>MongoDB SI Associate Certification</u></a>	<a href="#"><u>Snowpro Advanced: Architect</u></a>

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## LANGUAGES

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English – Native Speaking and Writing Proficiency  
Mandarin (Simplified Chinese) – Conversational Speaking and Writing Proficiency

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## EDUCATION

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University of Manchester, Manchester, United Kingdom  
    MEng in Electrical and Electronics Engineering, 2013 –2016  
Singapore Polytechnic  
    Aerospace Electronics, 2009 – 2012