|  |  |
| --- | --- |
| **Jerome Lieow**  <https://www.linkedin.com/in/jeromelieow/> | Contact:  [mail@jeromelieow.com](mailto:mail@jeromelieow.com)  +6590701512 |

Multi Cloud and Kubernetes Certified Solution Architect at Cloud Mile, a Google Premier Partner. 8 YOE in full stack, Cloud, DevOps and Platform Engineering. **Eligible for H-1B1 visa**, similar to the TN visa.

|  |  |
| --- | --- |
| **PROFESSIONAL EXPERIENCE** | |
| **Solution Architect – Cloud Mile Pte Ltd**, Singapore, Jan 2024 – Current Position   * 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. * Load tested client web and mobile applications, fixed bottlenecks, misconfigurations and scaling inefficiencies enabling them to scale from 100k users/30 mins to 500k users/30 mins while maintaining above 99% app stability (based on firebase analytics). * Automated deploying and cleaning up AWS multi-account environments via AWS and GCP for students of Institutes of Higher Learning (IHL). * Worked on opportunities with public sector organizations such as MINDEF, HTX, AGC and IHLs * 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 pipelines with ISVs such as Snowflake, Fivetran and Twilio. * 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. * Automated the tagging strategy and instrumentation of applications across AWS and Azure with DataDog using Terraform. * 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 CICD 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. | |
| **CERTIFICATIONS** |
| |  |  | | --- | --- | | [Certified Kubernetes Administrator](https://www.credly.com/badges/fe3fe7df-4a20-41ed-a0f4-fe69076319d0?source=linked_in_profile)  [GCP Professional Cloud Architect](https://www.credly.com/badges/a1b3124c-0d17-46f4-815f-22ef312b870d/public_url)  [GCP Professional Cloud Developer](https://www.credly.com/badges/37947a63-eb18-4bdf-b5ed-65d13307a3ac/public_url)  [GCP Professional Google Workspace Administrator](https://www.credly.com/badges/108dadc8-63ae-4af2-9344-69d0a1dab32a/public_url)  [GCP Professional Cloud DevOps Engineer](https://google.accredible.com/27329703-bb4e-4b9e-8e03-6c7ef9231684?key=bb6d7dbc24138acc753c7258a814a90de030fe7031f3e274591361f1ab54b8f7)  [GCP Associate Cloud Engineer](https://www.credly.com/badges/021efc9c-9a83-4791-ae5a-43a64c4c0f7c/public_url)  [GCP Looker LookML Developer](https://google.accredible.com/a7abc867-5618-4a4b-bdad-75bd76cc4b2b)  [Certified ScrumMaster](https://bcert.me/bc/html/show-badge.html?b=hgqcvyfn)  [Certified Scrum Product Owner](https://bcert.me/bc/html/show-badge.html?b=ffuzemtx)  [DataDog Technical Specialist Certification](https://datadog.docebosaas.com/share/gamification/badges/external/f3180ac0-894b-43f0-8d2d-3c0011793d47?lang=en)  [MongoDB Associate Database Administrator](https://www.credly.com/badges/992e971e-547a-44e6-8244-e9acdfded247/public_url)  [MongoDB SI Associate Certification](https://ti-user-certificates.s3.amazonaws.com/ae62dcd7-abdc-4e90-a570-83eccba49043/0be5860e-46de-4cfc-9130-cc9279ca2d4b-jerome-lieow-7fad3fef-d727-4a9a-b82a-7a36b27d9d87-certificate.pdf) | [Azure Solutions Architect Expert](https://learn.microsoft.com/en-us/users/jeromelieow/credentials/b3212f62e1d0e856)  [Azure DevOps Engineer Expert](https://learn.microsoft.com/en-us/users/jeromelieow/credentials/a1a66c1a3e853852)  [Azure Developer Associate](https://learn.microsoft.com/en-us/users/jeromelieow/credentials/d464b4c510666c58)  [Azure Data Engineer Associate](https://learn.microsoft.com/en-us/users/jeromelieow/credentials/3514bdd87143940c)  [Azure Network Engineer Associate](https://learn.microsoft.com/en-us/users/jeromelieow/credentials/6e89861d62cfd40a)  [Azure Security Engineer Associate](https://learn.microsoft.com/en-us/users/jeromelieow/credentials/5565e9f3ec61d55a)  [Azure Administrator Associate](https://learn.microsoft.com/en-us/users/jeromelieow/credentials/33ed7f736dfead77)  [AWS Certified Solutions Architect – Professional](https://www.credly.com/badges/437d1f8b-c5a1-4adf-952c-ff15f4f31825/public_url)  [AWS Certified DevOps Engineer – Professional](https://www.credly.com/badges/131b5766-7b39-497d-88da-b8bce3625c30/public_url)  [AWS Certified SysOps Administrator – Associate](https://www.credly.com/badges/e6cccf36-8280-4832-9ad0-db7c2db83da3/public_url)  [Snowflake SnowPro Core](https://www.credly.com/badges/61ac9058-4caa-4c88-8913-a732a3d0c7cb/public_url)  [Snowpro Advanced: Architect](https://achieve.snowflake.com/87e47e73-a0b0-4099-b392-73a1ff15926f) | |
| **LANGUAGES** |
| English – Native Speaking and Writing Proficiency  Mandarin (Simplified Chinese) – Conversational Speaking and Writing Proficiency |
| **EDUCATION** |
| University of Manchester, Manchester, United Kingdom  MEng in Electrical and Electronics Engineering, 2013 –2016  Singapore Polytechnic  Aerospace Electronics, 2009 – 2012 |