

THAM YU LE

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I am a **Solutions Architect** and **Presales Technical Consultant** with experience across the full solution lifecycle, from shaping tenders and running proofs of concept to delivering cloud-native solutions on AWS. Led and supported large-scale government and commercial tenders (IRAS, MAS, GRA, SMU), owning **technical architecture, manpower sizing and delivery planning**. Previously led AWS MAP migrations that **cut infrastructure costs by 31%** and delivered production Generative AI and data projects under IMDA's Digital Leaders Programme. **AWS Certified Solutions Architect – Professional**, with a strong foundation in Python, Java, SQL and ETL, and a track record of enabling teams to adopt AI agents and coding harnesses.

PROFESSIONAL EXPERIENCE

TOPPAN Ecquaria Pte. Ltd.

Singapore

Presales Technical Consultant

February 2026 - Present

- Led and supported **large-scale tender responses (S10)** with strong focus on **cloud architecture**, including **Government on Commercial Cloud (GCC)** deployments and **Generative AI** utilisation, for **leading public and private sector organisations**, including IRAS, MAS, GRA and SMU
- Responsible for core tender deliverables, spanning **solution and technical architecture design, resource and manpower estimation, and project implementation planning**
- Conducted client engagements to **qualify opportunities** and **executed proofs of concepts** aligned to specific business requirements (e.g. BreadTalk, Larian Studios, etc.)
- Led and carried out **internal training** to strengthen organisational proficiency in leveraging **AI agents and coding harnesses** within day-to-day operations

Axrail Pte. Ltd.

Kuala Lumpur, Malaysia

Solutions Architect

February 2024 – January 2026

- **AWS MAP Cloud Migrations**: Led migrations for enterprise clients, achieving a **31% reduction** in infrastructure costs through cloud-native modernization.
- Project lead for multiple production-grade **Generative AI and Data** projects for companies and government agencies under **IMDA's Digital Leaders Programme**, enhancing customer service processes and saving human resources.
- Designed ETL pipelines for AI-powered government solutions using **Python and SQL** to ingest, transform, and store data in **Amazon S3, Redshift, and DynamoDB**, enabling real-time insights and downstream integration with Generative AI solutions for personalized and automated service delivery.
- Collaborated with AWS as premier service partner to architect and deploy a **cloud-native three-way invoice matching** product powered by Generative AI. **Reduced manual labour by over 40%** and enabled adoption by other businesses.

Fusionex Innovations

Kuala Lumpur, Malaysia

Business Analyst

April 2023 - January 2024

- Main PIC for **5** separate mid to large scale projects in the hotel, ticketing, and e-commerce field, utilizing **AWS and Azure cloud services** for scalability and availability.
- Created Project Tenders that successfully won mid-sized project bids, some involving **AWS-hosted solutions** and **serverless architectures**. Drafted Functional Specification Documents (FSDs) for cloud service enhancements and greenfield projects.
- Led **SIT, UAT, and end-to-end testing** efforts on cloud-hosted environments and ensured that issues were identified, tracked, reported, and resolved.

BASF

Kuala Lumpur, Malaysia

Logistics and Supply Chain Data Analyst Intern

November 2021 - February 2022

- Developed **ETL jobs** for data mapping and processing.
- Developed macros on excel for 3 separate clients to process invoices, extract relevant information and sort data, automating their data processing systems.
- Create and modify data visualizations for monthly and quarterly financial reports for revenue insights using **PowerBI**.

EDUCATION

Monash University
Bachelor's, Computer Science

October 2019 - July 2023
CGPA: 3.58

CERTIFICATIONS

[AWS Certified Solutions Architect – Professional](#)

[AWS Certified Solutions Architect – Associate](#)

SKILLS

Cloud & DevOps: AWS (EC2, S3, Lambda, etc.), Cloud Security (IAM, Security Groups, Secrets Manager), Kubernetes, Generative AI (Coding Harnesses, LangChain, Bedrock, etc.)

Programming & Frameworks: Python, Java, SQL, Tensorflow, Pytorch

Data & Analytics: ETL Pipelines, SQL, Tableau, Power BI

Software Development & Project Delivery: Project Management, SDLC, Agile, Scrum, Stakeholder Management, JIRA