

LIM TIAN WEN

DEVELOPER | INFRA ENGINEER | ANALYST



PROFILE

Full-Stack Developer & Industrial Engineer with 10+ years of experience building scalable web applications, data solutions, and industrial IT systems. Established track record of delivering end-to-end production solutions to drive business value.

WORK EXPERIENCE

2026

ExxonMobil

2023

TRADING ANALYTICS LEAD DEVELOPER

AUG 2023 - PRESENT

Data analyst and full stack developer specializing in translating data into business intelligence through custom scripts and applications

- Principal founding developer for the Global Trading App - a React-based web app for hosting proprietary trading intelligence with a business value of > \$20M
- Delivered core functionality, branding, reusable patterns and key components (datagrids, style banners) for the Global Trading App, resulting in 40% acceleration of new feature development on the platform
- Designed feature-rich, modular React applications for refinery margin analysis and deal tracking in the Global Trading App to assist in identifying trade opportunities worth ~\$12M/yr
- Led tech-engagement and relationship-building efforts with crude traders, leading to partnership use cases with ~1000h of productivity savings for the traders (pricing automation, position trackers)
- Managed onboarding, mentorship and upskilling of developers on the Global Trading App as a code owner, facilitating developer resource growth and a 150% increase in team output
- Designed high-velocity release strategies for critical trading and refinery outage systems, achieving 100% zero-downtime deployments while cutting release times by half.
- Engineering production-grade agentic AI workflows for commodity trading analytics, automating document metadata extraction and dynamic indicator forecasting to capture \$1.8M of trading opportunities



EDUCATION

2023

MASTER OF SCIENCE
**INDUSTRIAL & SYSTEMS
ENGINEERING**

National University of Singapore

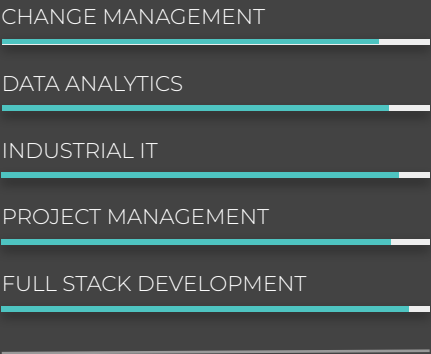
2016

BACHELOR OF ENGINEERING
CHEMICAL ENGINEERING

National University of Singapore



SKILLS



PROGRAMMING LANGUAGES

- HTML | Node.js | Angular | React
- Bash | C++ | Python | R | SQL
- VBA | CLI - Github/Azure/ADO

WORK EXPERIENCE

2023

ExxonMobil

2020

SENIOR IT SERVICES ANALYST

AUG 2021 - AUG 2023

Network and IT infrastructure engineer responsible for managing colocation facilities and IT services for manufacturing sites

- Managed infrastructure deployment and commissioning of regional virtual desktop clusters to enable corporate hybrid work resourcing strategy, generating an estimated \$1M/year of business value
- Proposed and led a colocation facility optimization initiative to improve network device space allocation efficiency, driving down annual facility operating costs by \$200k/yr
- Developed and deployed a proof-of-concept implementation of wireless heat tracers to securely stream instrument data, resulting in estimated savings of \$560k/yr from early fault detection of heat tracers.
- Devised and executed comprehensive management-of-change plans for the regional rollout of M365 upgrades to ensure rollouts both completed on schedule and with 50% fewer incidences than prior rollouts..

2020

ExxonMobil

2018

IT ENGAGEMENT ANALYST

AUG 2018 - AUG 2020

Productivity and IT services consultant delivering productivity through IT equipment/facilities enablement and automation workflows

- Developed workplace automation tools (Nintex, SharePoint, VBA) for stewardship and purchasing activities to realize over 2000 hrs/yr of productivity savings
- Deployed end-to-end digital display (TV) dashboard solutions to track and expedite terminal operations with an estimated business value of \$500 k/yr from demurrage avoidance
- Improved efficiency of IT services and assets (printers/teleconference units) through optimal asset distribution, enabling \$40k/yr operating cost savings

2018

 **Air Liquide**

2016

MANAGEMENT ASSOCIATE - OPERATIONS ENGINEER

AUG 2016 - AUG 2018

Operations specialist managing air separation unit (ASU) operations

- Accelerated startup times for the J3 ASU by 40% through operating parameter optimizations
- Designed and deployed DCS workflows for liquified oxygen/nitrogen tanker refills, saving over 1000 h/yr on refilling time
- Instituted alarm management systems to mitigate false triggers by 36%

