JESHUA LIN

Network and Cloud Infrastructure Solutions Architect

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EXPERIENCE

Quantum Network Solutions Engineer/IT Manager
SpeQtral

📅 Jan 2022 – present 📍 Singapore

Software Engineering Intern

📅 May 2021 – September 2021

- Architecturing and deploying quantum key distribution solutions to fortify on-premises, datacentre, and cloud infrastructure for the post-quantum age.
- Maintaining and managing internal corporate IT infrastructure and resources.
- Developed, maintained, and improved internal QKD modelling and orbit analysis tools for satellite constellation benchmarking.
- Supported cross-functional teams in conducting mission design studies, deploying cloud resources and continuous integration workflows.

Fluid Dynamics Intern
Dyson (Research, Design and Development - Fluid Dynamics)

📅 May 2020 – July 2020 📍 Singapore

- Created tooling to complement and automate the team's existing Fluent CFD workflow (meshing, setup, solving, and postprocessing).
- Produced potential time savings of over 50 man-hours per design optimization study through automation.

Research Intern
Institut für Energietechnik, Hochschule für Technik Rapperswil

📅 July 2019 – September 2019 📍 Switzerland

- Developed computer-aided geometry optimization workflows for the lift generating component of an airborne wind turbine in collaboration with an industrial partner.

EDUCATION

B.Eng. (Hons) in Aerospace Engineering (REP), MSc. in Technology Management
Nanyang Technological University

📅 August 2017 – December 2021 📍 Singapore

- The Renaissance Engineering Programme (REP) is a 4½ year dual-degree programme in engineering and business.

SKILLS

Cloud Infrastructure
- AWS Certified Cloud Practitioner
- Cloudflare
- Terraform

System Administration
- Linux
- Nix
- Docker
- Proxmox

Programming
- Python
- Javascript
- Svelte

Organizational IT
- Microsoft 365, AAD, Intune
- Windows deployment
- Office network management

Graphic Design
- Figma
- Canva
- Inkscape

AWARDS

Shopee Product & Design Challenge
First Runners-up (2021)

Shell Imagine the Future
National Champions, Regional Runners-up (2018/19)

National Olympiad of Informatics
Bronze Medallist (2011)

S'pore Games Creation Competition
Best Technical Achievement (2011)

SIDE PROJECTS

The Daily Telegram ⬠
A Telegram bot which provides a daily digest of subscribed RSS feeds.

@zhngbot ⬠
A simple text-transforming Telegram inline bot to spice up your messages.