

# Deming Lin

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## Experience

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### Software Engineer, TikTok – Singapore

Aug 2022 – Present

I worked on TikTok Live's Data Platform and AML Platform

- Built a widget SDK and marketplace that improved data visualisation features time-to-delivery by 300%
- Built core frontend components and promoted its usage to >100 engineers across multiple teams and products
- Built API services that allow FE components to easily manage Lark credentials and documents using Node/Express
- Built AML platform functions that helped alert financial investigators on suspicious behaviours (>100 monthly)
- Achieved good stability and response rate on AML Platform by improving code culture and application monitoring
- Promoted engineers' growth by sharing and publishing wikis and articles on various projects and technologies

### Software Engineer, Govtech – Singapore

Jun 2021 – July 2022

I worked on the Trusted Centre for Sensor Data platform

- Built a map visualisation platform that improved agencies ability to study trends and plan policies using MapboxGL
- Improved data requests workflow by implementing Team and Recurrent Requests using React/Redux and Flask
- Reduced regression bugs by achieving healthy frontend integration and end-to-end test coverage using Cypress
- Introduced parallelisation to frontend test suite using Cypress director service reducing CI run time by 100%
- Migrated UI library and CSS-in-JS solution which improved developer experience and rendering performance
- Shared on various software engineering related topics during division level engineering sharing

### Software Engineer Intern, Edison – California

Jan 2020 – Dec 2020

I worked on Edison Mail macOS(Electron) app used by 1.5 million users worldwide

- Improved users (30%) scheduling workflow by building calendar app with offline support using React and SQLite
- Improved responsiveness (>1sec) by implementing asynchronous calendar operations using Redux Observables
- Built support for sync with users' personal calendar provider using Caldav and Google Calendar API

### Backend Engineer Intern, NodeFlair – Singapore

May 2019 – Jan 2020

I worked on the talent platform which connects companies and tech talents

- Increased match-to-hire conversion rate (20%) by overhauling talent dashboard service using Rails and PostgreSQL
- Improved recruiter-talent interaction experience by implementing real-time chat using Rails Action Cable
- Reduced AWS spendings by 50% by migrating from managed service (Beanstalk) to serverless service (Lambda)

## Skills & Certifications

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**Languages/Frameworks:** TypeScript · React · Node/Express · SQL/Sequelize

**Technologies:** Git/GitHub · Docker · Microsoft Azure

**Certifications:** AZ-204 Azure Developer Associate · NUS Software Engineering Focus Area

## Education

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**National University of Singapore** – B.Comp Computer Science

2021