

Ben Liu

SOFTWARE ENGINEER

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Summary

A results-driven full-stack software engineer with 7+ years of experience developing user facing web applications in different industries. Deep understanding of agile processes, TypeScript, JavaScript, and website architecting. Fluent language skills in Mandarin and English. Passionate about open-source projects, new technology, and enhancing user experience at its finest.

Work Experience

Agoda Company Pte. Ltd

Bangkok, Thailand

FULL-STACK SOFTWARE ENGINEER

Sep. 2019 - Present

- Achieved 13,000+ bookings in China market within 1 day by building a scalable Serverless campaign API service to throttle peak traffic.
- Grew 20% month-on-month new users from China market by building a web client widget (WeChat-mini-program) in WeChat.
- Increased 10% team's fortnightly burning rate by sharing/pairing the component behavioural test pattern.
- Reduced deploy time of 10-days-campaign page from 2 weeks to 1 day by creating a page generator that consumes data from CSV files.
- Reduced deploy time of 1-day-campaign page from 3 days to half-day by designing and implementing the dynamic content system.
- Resolved circular dependency on 90 files by analysing dependency diagrams and refactoring with extracting superclasses and interfaces.

Predictive Hire

Melbourne, Australia

SOFTWARE ENGINEER

Oct. 2018 - Jun. 2019

- Reduced website deploy time to 30 mins from 4 hours by decoupling the client-side from monolithic website.

Tabcorp Holdings Limited

Melbourne, Australia

DEVELOPER

Jan. 2017 - Sep. 2018

- Designed and built a scalable API service to receive 5000 HTTP requests per minute by applying the master-worker pattern.
- Solved third-party single-sign-on API issues on production across the Ops team and Devs team within 1 day.
- Reduced 3,500% SVG rendering tests execution time by replacing headless chrome with JSDOM.
- Resolved the browser crash when receiving 150+ MB data stream per second by throttling the data.
- Unblocked browser bottleneck to render 500% more transactions per second by queueing the inbound data.

Hope Bay Technologies, Inc.

Taipei, Taiwan

SOFTWARE ENGINEER

Feb. 2014 - Oct. 2016

- Replaced the human resource paperwork of 100+ employees with internal software by designing and developing with Google Apps.

Projects

📱 Open Star Ter Village board game

Open Culture Fundation Taiwan

CONTRIBUTOR

Jul. 2021 - Present

- Built simulation board game on Google Apps and published in Taiwan to encourage youth participation in open-source projects.

📱 Weddi App

FuboTeam

PROJECT OWNER

May 2018 - Present

- Created a wedding-greeting web app within a week for sending real-time messages to the bride and groom in their wedding ceremonies.

Skills

Front-end Redux, React, Angular, HTML5

Back-end Serverless, .NET Core, Koa, RESTful API

DevOps Webpack, Rollup, Docker, GitHub actions

Programming TypeScript/JavaScript (expert), C# (proficient), python (prior experience)

Education

NTU (National Taiwan University)

Taipei, Taiwan

BACHELOR OF SCIENCE IN MATHEMATIC

Jul. 2009 - Feb. 2014