

Kevin Zheng

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EDUCATION

Guangdong University of Finance and Economics

Sep. 2015 – Jul. 2019

- Bachelor of Engineering in Computer Science and Technology
- Bachelor of Economics in Finance (Dual Degree)

EXPERIENCE

Bytedance | Android Software Engineer

Nov. 2022 – Now

- Responsible for performance optimization and development of LiveSDK, integrated into internal apps serving 100M+ users.

Shopee | Android Software Engineer

Feb. 2021 – Sep. 2022

- Worked with Southeast Asia operations teams to deliver feature iterations and performance improvements for the food delivery rider app.

YY Inc. | Android Software Engineer

2018/12 – 2020/12

- Developed features for a live-streaming dating app and watermark camera, delivering tasks on schedule.

PROJECT

LiveSDK - Performance optimization, Android Plug-in, Hybrid

Nov. 2022 – Now

- Improved performance by leveraging offline trace analysis and event tracking, achieving:
 - Time-consuming metric
 - Enter room time spent was reduced by **3.97%**;
 - Key components load time spent was reduced by **16.08%**;
 - Smoothness metric
 - Frame rate (First 4s Post-Entry) was increased by **5.63%**;
 - Jank rate (First 4s Post-Entry) was reduced by **11.95%**;
 - Frame rate (Scrolling) was increased by **8.38%**;
 - Jank rate (Scrolling) was reduced by **3.46%**;
 - App size mertric
 - Reduce plugin package size **4Mb** via dependency inversion;
- Decoupling hybrid container from plugin, running hybrid pages independently of plugin:
 - Decoupling live hybrid ability like JSB, GlobalProps via dependency inversion;
 - Modularizing and exposing non-live related hybrid ability;
 - Organizing routing logic, support whitelist switching hybrid containers;
 - Formulating and finish grayscale&release plan;
- Addressing issues arising from plug-in technology, propose generalized approach and reduce the time consumption by approximately **0.2pd**;

ShopeeFood Driver Android - React-Native, Performance Optimization

Feb. 2021 – Sep. 2022

- Participate in the requirement review, formulate technical solutions and implement using React Native.
- Improved performance by leveraging event tracking and feedback, achieving:
 - Reduce json serialize/deserialize time spent by **62%** via complie phase code generation;
 - Maintain caching and expiration of DNS result, reducing UnknownHost count by **72.8%**;
 - Optimized build scripts and dependency graph, reducing compilation time by **16%**;

Watermark Camera - Flutter, Kotlin

Jul. 2020 – Dec. 2020

- Build the UI framework using Flutter, implement photo taking, photo editing etc. using Kotlin;

DatingLive - Live, IM

Jul. 2019 – Jul. 2020

- Cooperate with the live and IM platforms to develop kick-off version of the dating app;