陆佳明 Jiaming Lu

Mobile: +86 136 8163 3175
Mail：jiaminglu@live.com
Expected position: anything challenging and meaningful

About me

I have been developing mobile application for more than 8 years, mainly on the android platform. I also have working experience on iOS, React Native, Python backend etc., have the ability to do full stack development. I'm interested in programming languages, have in-depth understanding on topics like functional programming and type systems, so I'm comfortable with almost all programming languages.

Skills

Programming languages: Java, Kotlin, Python, JavaScript, Objective-C, Scala, Haskell, Idris, Rust, C++

Natural languages: Chinese, English, Japanese

Tech stack:

1. Android: Kotlin, Anko, Retrofit, RxJava, OkHttp, Tape, etc.

2. Python: Flask, sqlalchemy, pandas, matplotlib, etc.

3. Backend: MySQL, PostgreSQL, PostGIS, RabbitMQ, ZeroMQ, Redis, TiKV

4. Web: Vue, RxJS, axios, TypeScript, Scala.js, Binding.scala

5. Cross platform: Kotlin multi-platform, React-Native

Achievement: CET6, JLPT N1, CodeWars 1kyu (Haskell 1kyu, Idris 2kyu)

Experience

PERSONAL PROJECT – 2020.4 - NOW

- An experimenting programming environment which consists of:

  - A functional programming language with a dependent type system.

  - A scalable backend storage that is used for the language runtime, backed by TiKV

  - A visualizer to generate interactive user interfaces from AST, with its style configurable by a DSL

  - A structured text editor for any user-provided context-sensitive syntax, with auto completions and syntax highlighting supported

- ‣ A extensible permission system which is embedded naturally into the language

- Tech stack: Kotlin multiplatform, Ktor server and client, TiKV, Rust JNI, ZeroMQ

- Current progress: Over 100k lines of code written, technically verified, some patents under substantive examination, but still far from a usable product, and now I ran out of money, so I need to hang it up to find a job to support my families. It will be graceful if you have connections that can help me raise funds, or simply a job position is helpful.

- The project progresses slowly because I gave birth to two babies in the past two years so I actually worked part time on the project.

THOUGHTWORKS SENIOR ENGINEER — 2020.1 - 2020.7

- Starbucks China App Architecture Project Android

  - ‣ Split a dirty codebase into different modules

  - ‣ Refactoring the whole app to decouple different modules

  - ‣ Build a shared platform, providing some common utilities for feature teams

ALIBABA LOCAL SERVICES SENIOR ENGINEER — 2015.7 - 2019.12

- Alibaba local life lab Android/iOS/and some Java backend (2018.7 - 2019.12)

  - ‣ A beacon receiver library, integrated in our deliver's app. (Android/iOS)

  - ‣ A beacon broadcasting library, integrated in our shop owner's app. (Android/iOS)

  - ‣ A Java service running a trained ML model in pmml.

  - ‣ Arriving shop judgement project using beacons.

  - ‣ Bluetooth development in the smart box project, including data collection, OTA firmware upgrade, device management etc. (Android)

  - ‣ A Bluetooth LE scanning library used by the beacon and the smart box project (Android)

- eleme π Python/RN/Kotlin (2016.8-2018.6)

  - ‣ Backend development of a drone delivering system (Python)

  - ‣ Pilot's app for viewing drone status, and remote control for landing (React Native)

- The entire mobile app and also some backend feature for our Take-Deliver Separation project (React Native and Python)

- Taken part in the design and implementation of delivering order assignment algorithm

- A simple ticket printer app (Kotlin)

- A mini app for in-building delivering (WeChat miniapp)

• Mobile framework and Basic bussiness dept. Android/Python (2015.7-2016.7)

- Some mobile library for log collection, online configuration, long connection etc.

- Developed some independent module of our Eleme app and Youcai app, suck as payment.

- Support another team to convert their Cordova app to Android native.

- A simple feedback management system, integrated in our shop owner's app (Python)

LVXINGJIA (TRAVEL PLUS) ANDROID DEVELOPER – 2014.6-2015.7

• Built and itinerary management app from scratch (a failed startup project), which has the following features:

- CRUD of itinerary data

- Weather, flight delay, train position notifications

- Syncing with system calendar

- Importing itinerary from sms and emails

- A desktop widget

- Sharing itinerary with others

- Implemented custom view and layout, and animations

Education

Shanghai University of Engineering Science 2011-2014 (dropped out)
I learnt almost everything in Computer Science on Coursera, since 2011, that's even before its official set up.