Mocy Sheng
Architect

Summary

A lava shadow as I
A black elf
with bright eyes

Contact

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Languages

Chinese, English
Java & Android ♥
JavaScript & React
Ruby & RoR
Python, LaTeX, C

Interests

Philosophy
Design, Creation
Piano, Guitar

Experience

2015 — Now **Google** – *Software Engineer*   Mountain View, CA

A primary developer and latter the tech lead of parental supervision on kids' Android devices which serves millions of active supervised Andorid devices. This is part of FamilyLink project which provides parental supervision of Google account in general. http://g.co/familylink.

- Led a team of four for parental supervision features on Android devices. Maintained team priority and coordinate cross-team projects. Coached other team members to work inside the stack and support new supervision features on Android devices.
- Rewrote full kids supervision stack into Google Play Services. Established coding/testing design pattern.
- Defined APK release process that met Google Play Services requirements while kept our team independent. Setup logging and metrics pipeline. Added metrics covering all critical features allowing A/B testing. Defined experiments ramping policies and processes, and set up enforcements.
- Developed core supervision features including TimeLimit which locks down the device with custom screen, screen time usage limit, app blacklist, version enforcement, permissions management, system settings management, find the device, etc. Maintained features to keep them up-to-date in a constantly evolving enviroment.
- Keep adopting new tools/frameworks/libraries to improve code quality, including Android Arch Component and Google Play Services new technologies. Worked with EngProd team to improve and enforce code and system health.

2014 Summer **Twitter Ads** – *Software Engineer Intern*   San Francisco, CA

Full stack with Ruby on Rails, Backbone.js, and HTML/CSS.

- Tweet Preview: Send promoted tweet previews to advertisers. Finished work with back-end people.
- Performance tools setup and speed optimization: Speed up Campaign Form page by 7.03% in P99.
- Refactored, clean up dead code and fix bugs.

2012 — 2013 **GitCafe** – *Full-stack Developer and System Administrator*   Shanghai, China

Full stack with Ruby on Rails, keep components in edge and maintain the system.

- Refactored the Git hosting services to improve robustness
- Add support of Git operations via HTTPS, Wiki for projects hosting, Pages hosting with custom domains, Pull Request system for collaboration
- Design the internal API for Git and accounting service
- Reduce the response time by using workers in background
- Setup monitor system for all components with God and Monit
- Improve the internal workflow with Guard, Zeus and Git

2011 — 2012 **GitCafe** – *Intern*   Shanghai, China

Main achievements:

- Locale detector for Ruby on Rails
- Internationalization (I18N) for English and Chinese
- Allow user to change password or email address

Education

2013 — 2015	**Master** of Computer Science	University of San Francisco
	GPA: 3.95/4.0: Algorithms, Artificial Intelligence, Theory of Computation	
2009 — 2013	**Bachelor** of Mechanical Design	Shanghai Jiao Tong University
	Director, *Drama*, *Crosstalk*, *Movie*	

Toys

Idid.Im — **I did, therefore I am** — JavaScript/React
An app that helps to organize your life and to make it meaningful.
Web: https://idid.im

rCaltrain — **A Caltrain scheduler** — JavaScript/Android/iOS
Web: https://rcaltrain.com
Android: market://details?id=me.ranmocy.rcaltrain
Source: https://github.com/ranmocy/rCaltrain

Monkey Tree — **Fix phonetic names for Chinese contacts for sorting** — Java/Android
A 4.93/5 stars app on PlayStore. Users love it.
Android: market://details?id=me.ranmocy.monkeytree
Source: https://github.com/ranmocy/MonkeyTree

Coolol — **A Twitter client. A web app.** — JavaScript
Web: https://coolol.me
Source: https://github.com/ranmocy/Coolol

Web-Stub — **Generates JSDoc and JavaScript stub from WebIDL** — JavaScript
For IDE auto-completion and type checking.
Source: https://github.com/ranmocy/web-stub

SparkDriverLess — **A driver-less version of mini Spark** — Python
Source: https://github.com/ranmocy/SparkDriverLess

Guard-Rails — **Watch on your Rails and restart it as needed with Guard** — Ruby
Maintainer: https://github.com/ranmocy/guard-rails

SmallestBlogger — **A templated blogger generator with 200 lines of ruby code** — Ruby
Maintainer: https://github.com/ranmocy/smallest-blogger

Awards

2008	**NOIP 2008**	China Computer Federation
	First Prize of National Olympiad in Informatics in Provinces	
2007	**NOIP 2007**	China Computer Federation
	First Prize of National Olympiad in Informatics in Provinces	
2006	**NOIP 2006**	China Computer Federation
	First Prize of National Olympiad in Informatics in Provinces	