

Fabian Terh

fabianterh@gmail.com | fabianterh.me
github.com/fterh | linkedin.com/in/fabianterh | medium.com/@fabianterh

About

I'm passionate about creating impact at scale to make a difference ❤️. [Open-source contributor](#). [Writer on Medium](#).

Excited about tough problems, and always seeking to learn something new. In my free time, I build and maintain side projects to learn new skills and technologies.

Education

National University of Singapore

Computer Science (Minor) - GPA: 4.76/5.0

Bachelor of Laws - Second-Upper Honors

(Yup, software engineer with a law degree...

ask me about it!)

Technical skills

I use **Erlang** on the WhatsApp Chat Infra team, and **Hack (PHP)** previously at Facebook. I'm passionate about building robust applications through **comprehensive E2E testing**.

I've experimented with web apps (**React, Redux, HTML, CSS, Javascript/TypeScript**) including **single-page apps**.

I've worked with **Swift** and **iOS SDK** in a previous internship.

I've built **serverless apps** on **AWS** and **Heroku** for side projects. I'm also a [Triplebyte generalist software engineer](#).

Projects

heimdall ([project link](#)) ([blog post](#))

- Self-managed email alias service built with Serverless to run on AWS (DynamoDB, Lambda, SES, S3).
- [Showcased](#) on Hacker News.

sneakpeek ([project link](#))

- Built a Reddit bot that monitors for news article submissions in a subreddit of >200,000 users. Fetches, formats, and posts article bodies as Reddit comments.
- Started as a personal project (3rd iteration), currently being hosted and maintained externally by volunteers.

Professional experience

WhatsApp: Senior Software Engineer

March 2023 - present, Menlo Park, California

Still on the WhatsApp Messaging (Chat) Infra team.

WhatsApp: Software Engineer

July 2021 - March 2023, Menlo Park, California

I'm on the WhatsApp Messaging (Chat) Infra team:

- Optimized a hotpath (messaging) service for performance, durability, and consistency, reducing write latencies by 20%. Investigated and root-caused data inconsistencies, fixed race conditions.
- Built infra components to enable privacy features rollout
- Improved WhatsApp's E2E testing infra used by all server engineers

Meta (Facebook): Software Engineer

May 2020 - July 2021, Menlo Park, California

- Rolled out Groups Admin Tagging feature from 70M to 411M groups globally as part of a cross-functional effort
- Drove the effort to achieve 100% E2E + unit + integration, testing

Sea (Garena): Software Engineering Intern (iOS)

Aug - Dec 2019, Singapore

- Improved app responsiveness in poor network conditions. Optimized multiple image downloads in a collection view by implementing a priority queue to prioritize visible views.
- Profiled the performance of data-persistence utility components used across multiple teams and applications to uncover bottlenecks. Presented my findings at an internal knowledge-sharing session with company-wide iOS engineers.

ReferralCandy: Product Engineering Intern (Full Stack)

May - Aug 2019, Singapore

- Collaborated with product managers and designers to build, QA, and release product features in weekly sprints.
- Fixed bugs, wrote tests, and improved documentation to enhance the quality of the codebase.
- Worked closely with Marketing to build new React components to improve SEO and create website content.