

Amelia Ikeda

Senior Software Engineer

<https://dorks.io>

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I'm an engineer with experience in financial systems and distributed system design.

I value **user experience** in products I help build, and I take **user security** and **privacy** very seriously.

Understanding and simplifying complex systems is a key part of what drives me.

I write software in **Go** and use **Kubernetes**, and I have a strong background in **PHP**.

If your company is not LGBTQ+ friendly, or contracts for military/police, I won't work for you.

Monzo Bank - *Backend Engineer*

APRIL 2019 - JULY 2020

<https://monzo.com> - goLang, java, python, kubernetes, cassandra, microservices, react, distributed systems

Building a bank for 4 million people, and protecting them from financial crime.

- Wrote **engineering proposals** (architecture, technical decisions, and reasoning), for company-wide comment.
- Built **PSD2 contactless usage limits** to a tight regulatory deadline, explaining **technical specs** and **legislation**.
- Built **microservices and systems to stop financial crime**, for Mastercard and Faster Payments.
- Connected external **SOAP** systems using **Java**, writing **code generation tooling** to fit our use-case.

Lolibrary (Lolibrary Inc, US) - *Volunteer CTO*

NOVEMBER 2015 - PRESENT

<https://lolibrary.org> - php, goLang, kubernetes, postgresql, google cloud, aws, non-profit

Building a fashion archive, preserving street fashion for a community of 300,000 people worldwide.

- Maintainer for **open-source projects** - **organising projects and issues** for volunteers and developers.
- I manage this outside of work; Lolibrary's backend is made to be **self-healing** and **highly available**.
- The site handles around **50,000 unique users monthly** (2 million+ requests).

Sky Betting and Gaming - *Software Engineer*

APRIL 2018 - APRIL 2019

<https://skyvegas.com> - goLang, php, rancher, mysql, graphql, on-call, aws, microservices

Building and innovating on one of the biggest gaming sites in the UK, pulling in £20 million per month.

- **Led the technical design and architecture** of a standard API for all frontend teams at skybet.
- Designed and built a stateless authentication system for skybet to allow them to **scale their backend systems**.
- **Mentored graduate apprentices** for a masters-level program and **spoke at Leeds Go (slide deck)**.
- **Handled on-call and incident response** for skycasino.com, and the backend infrastructure of skyvegas.com.

TripIQ Systems - *Software Developer*

NOVEMBER 2015 - APRIL 2018

<https://tripiq.eu> - php, laravel, postgresql, mongodb, google cloud, stripe

Building a profitable car-sharing startup from scratch for Toyota, Co-wheels Car Club and local councils.

- Built and launched under a 6 month deadline from seed money, **immediately becoming profitable**.
- **Documented our third-party systems** with car telematics providers extensively, helping others **understand** them.
- Took a complex third-party SOAP API and **simplified how it was interfaced with for other developers**.
- **Interviewed candidates**, conducted **technical tests**, and **screened candidate CVs**.
- **Handled frontline technical support** for clients, **writing runbooks** for issues.

Frank Recruitment Group - *Application Developer*

MARCH 2015 - NOVEMBER 2015

Cloud Data Service - *Software Developer*

SEPTEMBER 2014 - JANUARY 2015

hedgehog lab - *Platform Developer (Contractor)*

APRIL 2014 - JULY 2014

osu! (ppy Pty Ltd, JP) - *Web Developer (Contractor)*

OCTOBER 2013 - APRIL 2014

ne-web - *Junior Web Developer*

JULY 2013 - OCTOBER 2013

Languages: English (Fluent), German (Basic), Irish (Learning part-time)

Hobbies: infosec, street fashion, cooking