

# Ian Mobbs

[ianmobbs@gmail.com](mailto:ianmobbs@gmail.com) • [mob.bs](https://mob.bs) • [linkedin.com/in/ianmobbs](https://linkedin.com/in/ianmobbs)

## EXPERIENCE

**Member of Technical Staff, OpenAI - San Francisco, CA**

April 2023 – Present

- Member of the Applied AI Platform team.

**Software Engineer, Cloudflare - San Francisco, CA**

September 2021 – March 2023

- Tech lead for Identity and Access Management (IAM) Product team, leading 2 engineers through the full SDLC to deliver quarterly product objectives.
- Integration lead with Apple for iCloud Custom Domains (announced at WWDC 2022), responsible for all interaction between Cloudflare and Apple, as well as development of RESTful API on Cloudflare Workers using TypeScript, Workers KV, and PostgreSQL.
- Developed a new authorization caching layer using Golang, Kafka, and Workers KV to enable authorization 'at the edge', reducing authorization time by 80% while increasing authorization queries by over 400%.
- Implemented SCIM specification in PHP and PostgreSQL to allow the automatic provisioning and deprovisioning of users by an identity provider, enabling a \$2.6MM contract renewal.

**Software Engineer I, II, Qualtrics - Seattle, WA**

July 2018 – August 2021

- Selected as a founding member of a new User Access Management team formed to build tooling and onboard internal users to standardize all authorization across Qualtrics.
- Designed and developed MVP for a role-based access control management tool built using React, Node.js, Koa, PostgreSQL, and DynamoDB. Met with internal teams to identify current authorization access patterns and designed service to support diverse authorization use cases across resource types (surveys, dashboards, etc.).
- Architected and implemented a new OAuth2 and OpenID Connect provider as the new home of all authentication at Qualtrics to enable 10M+ logins per month, built using React, Java, Spring Boot, Spring Security, and DynamoDB.
- Planned deprecation and data migration of several legacy authorization services to ensure data parity, utilizing Debezium and Kafka. Documented existing usage of services and created migration guides for teams.
- Operationally improved several legacy services by implementing continuous integration and deployment best practices, bringing deployment cadence from weekly to per-commit.

**Software Engineering Intern, Capital One - McLean, VA**

Summer 2017

- Built service for bank's AML division to find news articles about subjects under investigation that leveraged a Python API to analyze and gather investigator feedback. A/B tested the efficiency of article ranking algorithms.

## SKILLS

Languages/Technologies: Golang, Java, JavaScript, TypeScript, Python, PHP, PostgreSQL, MySQL, DynamoDB, Redis

Frameworks: Gin, Watermill, Spring, Spring Boot, Spring Security, React, Node.js, Koa, Express, Flask, Django, Symfony

## EDUCATION

**B.B.A. Management Information Systems, (Computer Science Certificate), The University of Texas at Austin (2018)**

- Developed SMS-based payment system PayWithText using Flask, Twilio, and a Capital One banking API that was a Finalist at HackTX 2016 competition.