Ian Mobbs

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Full-Stack Developer with full lifecycle development experience using a diverse mix of languages and tools. Strengths in backend development, systems architecture, and design with subject matter expertise in authentication and authorization. Effective communicator able to collaborate with cross-functional teams, engage users, and contribute to new hire interviews and mentorship.

EXPERIENCE

Software Engineer, Cloudflare - San Francisco, CA   September 2021 – Present
- Member of Cloudflare's Identity and Access Management (IAM) team.

Software Engineer I, II, Qualtrics - Seattle, WA   July 2018 – August 2021

User Access Management Team (2020 - present)
- 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.).
- Contributed to design and build of a configuration-based onboarding feature using a simple JSON file.
- Partnered with internal teams to embed tool in multiple products to enable consistent RBAC experience.
- Planned deprecation and data migration of several legacy authorization services to ensure data parity, utilizing Debezium, Kafka, and AWS Glue. Documented existing usage of services and created migration guides for teams.
- Organized department-wide technical design office hours, engaging in the active review of system design and scheduling with subject matter experts from other teams when necessary.
- Interviewed software engineering candidates ranging from intern to senior level roles.

Identity Services Team (2018 - 2020)
- 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.
- Designed and executed long-term system architecture plan for the authentication team, including microservices for first and third party authentication, account provisioning, and SSO integrations.
- Operationally improved several legacy services by implementing continuous integration and deployment best practices, bringing deployment cadence from weekly to per-commit.
- Served as on-call engineer, responsible for responding to and resolving alerts 24/7.

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: Python, Java, JavaScript, TypeScript, HTML, CSS, MySQL, PostgreSQL, DynamoDB, Redis
Frameworks: Flask, Django, Spring, Spring Boot, Spring Security, React, Node.js, Koa, Express

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.