Ian Mobbs

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Experience

Qualtrics

Software Engineer I, II • Seattle WA   July 2018 – Present

User Access Management

- Founding member of new User Access Management team with goal of standardizing all authorization at Qualtrics
- Designed and developed role-based access control management tool to allow any team to enable their applications for authorization with a simple configuration-based onboarding

Identity Services

- Architected and implemented a new OAuth2 and OpenID Connect provider as the new home of all authentication at Qualtrics, enabling over 10 million logins per month
- 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

Capital One

Software Engineering Intern • McLean, VA   June 2017 – August 2017

- Built system for approximately 600 financial investigators to find news articles about subjects under investigation
- Designed a scalable microservice-based architecture for the system, available to the entire anti-money laundering division
- Developed Python-based API to analyze and gather investigator feedback for model development and A/B test different article ranking algorithm efficiency

Projects

Stickerlack - *Print and ship stickers from custom Slack emoji*

- Integrated with Slack to pull emoji and generate sticker sheets PDFs based on selected emoji, quantity, size
- Developed user management and checkout application using Django and Stripe to track, ship, and fulfill orders

PayWithText - *Send money securely via SMS (Finalist at HackTX 2016)*

- Developed SMS based payment system using Flask, Twilio, and Capital One banking API
- Allows for payments and payment requests to any phone number while tracking balance for every user

Education

The University of Texas at Austin

Student • Austin, TX   August 2014 – May 2018

B.B.A. • Management Information Systems, Computer Science

Skills

Languages

Python, Java, HTML, CSS, JavaScript/TypeScript, MySQL, PostgreSQL

Frameworks

Angular, React, Node.js, Koa, Spring, Spring Boot, Spring Security