

Kaitlin Davis

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Work Experience

Ibotta

Senior Platform Engineer

August 2022 – Current

Designing and implementing backend systems for complex data flows spanning multiple AWS zones.

- Top contributor on a 5-6 member team, authoring 30% to 40%+ of the tickets in any given year.
- Identified the need for and designed the idempotency guarantees in team's event driven domains.
- Substantially reduced complexity in codebases by defining boundary layers with clean contracts and distinct types.
- Designed team's data propagation strategy to setup new AWS zones.
- Early pioneer of setting up scalable, multi-environment, dynamic Runscope tests. Served as a consultant for several teams in the organization.
- Early pioneer of implementing SLOs/SLIs in the organization. Shared learnings by facilitating a workshop on Site Reliability Engineering practices.
- Earned the Collaborator Gator Award in May 2024 for simplifying Ibotta's Lambda Serverless CodePipeline deployment. My involvement reduced code complexity, effort to implement, and deployment time, meanwhile strengthening org-wide understanding.
- Given nickname of the "Team Technical Evangelist" due to quickly becoming a subject matter expert in several areas opening the door to prolific contributions to PR reviews, regularly identifying missing requirements, bugs, code, and system improvements, and lastly, building a culture of transparency from facilitating discussion, sharing information, and writing the team's technical documentation.

Technology experience gained in this role:

- Event driven architecture, domain driven design, Amazon Web Services (e.g. API Gateways, SQS, SNS, Step Functions, Lambda, DynamoDB, CloudWatch, CodePipeline), Terraform, Site Reliability Engineering (SRE), Datadog, Databricks, Runscope, OpenAPI Generator, CoPilot, and TypeScript.

Engineering Manager

December 2020 – August 2022

In this role, I had the opportunity to demonstrate my ability to lead cross-functional engineering teams (Android, iOS, web, platform, analytics, design, product) by establishing and building two separate high-visibility teams.

Experience gained in this role:

- Leading and running four priority #1 projects, and scaling engineering processes to accommodate 24 engineers (8 direct reports) across 5 different teams.
- Managing prospective and active client relationships by participating in critical contract negotiations and technical discussions.
- Identifying, interviewing, and recruiting new engineering and management talent.
- Building multiple teams from scratch and establishing a team culture of trust, psychological safety, how we work standards, and engineering practices.
- Conducted coaching and goal planning conversations with direct reports.
- Developing iteratively, communicating risk, and estimating accurate timelines for engineering deliverables.

Senior iOS Engineer

January 2019– December 2020

In this role, I had an opportunity to solidify my abilities as a mobile engineer on a larger team on an infinitely more complex application. I had a proven history of shipping quality code, on or ahead of time, for a variety of high-profile features for the Ibotta iOS Mobile app. All features were developed with high unit testing standards.

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Michigan State University

July 2015 – December 2018

Software Engineer

In this role, I specialized in the frontend development of native mobile and web applications. However, CI/CD and DevOps practices were team priorities. I was the lead engineer responsible for web and sole iOS engineer.

MSU Campus iOS Application ([Public Greenfield application](#))

The first official app of MSU (50k+ students annually). Displays dining hall menus, news, events, maps, etc.

- Taught self more about iOS patterns, MapKit API, network/user location performance, and GraphQL.
- Earned AWS Certified Developer Associate – License #33JS8PC2DJ44QNGP (**May 2018**)
- Setup and maintained MacOS build server.

Global Travel Registry iOS Application (Private Greenfield application)

- Taught self about the Swift programming language, iOS deployment pipeline (Fastlane, provisioning profiles, certificates, XCode, iTunesConnect), building user interfaces (storyboards/nibs/programmatic layouts/IBDesignables), data serialization (Codable protocol), dependency management (CocoaPods/Carthage), and implementing accessibility best practices (dynamic text and VoiceOver).

Global Travel Registry Web Application (Private Greenfield application)

- Taught self about and implemented modern web development practices and technology, e.g. component-based web architecture, flux pattern, store and state management, module bundling, environment management, code transpiling, and JavaScript observability solutions.
- Experience spans the full Vue.js ecosystem, including Vue 1&2, Vuex, Vue Router, and Vee-Validate.

Atomic Object

August 2014 – July 2015

Software Consultant & Developer

Learned about concepts such as object-relational mapping, database migrations, responsive design, event/data binding, and RESTful web services. Developed responsive full-stack features for web applications using test-driven development and agile/scrum practices.

Education

Michigan State University

August 2011 – May 2014

Bachelor of Science in Computer Science (with Honors)

- Cumulative/Technical GPA: 3.72/3.67

Central Michigan University

August 2009 – May 2011

- Cumulative GPA: 4.0 (80 credit hours)

Extracurriculars

- Gave a talk about visualizing code complexity - "Public Enemy #1" (**February 2024**)
- Attended ArchConf (**December 2023**)
- Completed Google's Site Reliability Engineering course (**August 2023**)
- Finished reading the acclaimed "Designing Data Intensive Applications" (**February 2023**)
- Volunteered to mentor two students at the [Turing school](#) in frontend web development: JavaScript, React, CSS/Flexbox. Both students were hired full-time at Ibotta. (**June 2020 - June 2021**)