

# Kaleb McKone

## Software Engineer

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### PROFESSIONAL EXPERIENCE

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#### TRANSFIX

REMOTE

##### Senior Software Engineer I

08/2021-Present

- Implemented more than 20 backend API/EDI integrations, eliminating time spent on data entry tasks by 6-12 hours/shipment
- Engineered novel system for parsing, building, and validating X12 transmissions in Ruby, reducing time to deliver new integrations from six weeks to one
- Introduced automation for AR/AP workflows around invoicing and document uploads to external systems, decreasing cost per load by 15%

#### MZD (PEARSON)

Iowa City, IA

##### Software Engineer

05/2020-08/2021

- Completed database transition from MongoDB to PostgreSQL on ADAM (assessment delivery and management) platform, improving user experience and overall performance by 20%
- Orchestrated project to automate assessment generation dynamically based on class enrollment, utilizing Merkle tree developed in Postgres, completely removing inefficient manual steps for teachers
- Contributed regularly to platform feature set, reliability and ease of use, direct impact to company acquisition by Pearson

#### TARGET

Minneapolis, MN

##### Software Engineer

09/2019-05/2020

- Responsible for automated Linux configuration of critical systems for the enterprise of 6,000 servers
- Leader on project to update all in-store Target servers to Centos 7.6 from lower versions

#### UNIVERSITY OF IOWA

Iowa City, IA

##### Software Engineer

08/2018-08/2019

- Migrated existing production research survey app to Angular 2
- Implemented new features based on requests to enhance the survey tool's ability to collect research data including enabling Mechanical Turk
- Architected CI/CD workflows and infrastructure as code to automate app deployment to AWS, usable by non-experts

#### THOMSON REUTERS

Minneapolis, MN

##### Cloud Engineer Intern

01/2018-08/2018

- Demonstrated cloud SaaS deployment using Java spring boot micro services deployed to AWS using best practices
- Leveraged AWS Lambda in deploying serverless python scripts, used to provide automation of API usage in our aggregation of metrics and logs in our usage of DataDog and Sumo Logic.

### EDUCATION

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#### UNIVERSITY OF IOWA

Iowa City, IA

*Bachelor of Science, Major in Mathematics; Bachelor of Arts, Major in Computer Science*

08/2016-05/2019

### SKILLS

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Ruby on Rails, Vuejs, React, Angular, Typescript, Javascript, NodeJS, Go, Rust, Python, Ruby, C/C++, PostgreSQL, Chef, Ansible, AWS, Linux, Bash, Git, Github Actions, CI/CD, C/C++, Kubernetes, Docker, GraphQL, DataDog, Unit Testing

### PROJECTS

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- Dotfiles with script automation for updates across machines: [github.com/krmckone/dotfiles](https://github.com/krmckone/dotfiles)
- Custom Static Site Generator with automated build/deploy CI/CD process: [github.com/krmckone/lk-site](https://github.com/krmckone/lk-site)
- Ray Tracing In One Weekend in Rust: [github.com/krmckone/rayTracingOneWeekendRust](https://github.com/krmckone/rayTracingOneWeekendRust)