

# Kaleb McKone

## Senior Software Engineer

kmckone1825@gmail.com  
krmckone.com  
3195513275  
Omaha, NE, 68128, USA

Senior Software Engineer with experience in Full Stack, Back End and Platform roles aiming to transition into a role focused on Site Reliability Engineering.

## Work Experience

### Senior Software Engineer I

Aug 2021 - Present

TRANSFIX | Remote

Senior member of Transfix's engineering organization, leading migration for 50+ customers to the Orderful platform from in-house integrations. Regular member of on-call rotation, helping maintain entire brokerage platform for users.

- 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 while removing engineers from the process
- Introduced automation for AR/AP workflows around invoicing and document uploads to external systems, decreasing cost per load by 15%

### Software Engineer

May 2020 - Aug 2021

MZD/PEARSON | Iowa City

Lead full stack engineer on ADAM (Assessment Delivery and Management) platform.

- 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

### Software Engineer

Sep 2019 - May 2020

TARGET | Minneapolis

Gained valuable experience in maintaining infrastructure and software platforms for bare metal systems that other developers relied on

- 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 various previous versions

### Software Engineer

Aug 2018 - Aug 2019

UNIVERSITY OF IOWA | Iowa City

Lead full stack developer on web application and implemented brand new infrastructure/deployment process in University's AWS account

- 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

### Cloud Engineer Intern

Jan 2018 - Aug 2018

THOMSON REUTERS | Minneapolis

8 Month internship working with Thomson Reuter's Cloud Center of Excellence group

- 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

## Projects

### lk-site

Dec 2021 - Present

Custom static site generator built in Go. Converts markdown assets and other raw data into HTML pages. Available at [krmckone.com](http://krmckone.com)

### Ray tracing in one weekend

Present

Implementing the ray tracing in one weekend project in Rust rather than C++

## Core Skills

Ruby on Rails, Vuejs, React, Angular, Typescript, Javascript, NodeJS, Go, Rust, Python, PostgreSQL, Chef, Ansible, AWS, Linux, Bash, Git, Github Actions, CI/CD, C/C++, Docker, GraphQL, DataDog, Unit Testing, Infrastructure as Code, On-Call, Communication Skills, Collaborating, Troubleshooting, Writing Technical, Web Services, Systems Integration, Project Management, Database Systems, Bug Fixing

## Education

### UNIVERSITY OF IOWA

Aug 2016 - May 2019

**Bachelor of Science** Computer Science, Mathematics