

Kaleb McKone

Software Engineer

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PROFESSIONAL EXPERIENCE

TRANSFIX

REMOTE

Senior Software Engineer I

08/2021-Present

- Completed 20+ EDI integrations utilizing X12 and SFTP/AS2, eliminating time spent on data entry tasks by 6-12 hours/shipment
- Engineered novel system for parsing, building, and validating X12 transmissions, reducing time to deliver new integrations from six weeks to one
- Engineered automation for AR/AP workflows around invoicing and document uploads to external systems, decreasing cost per load by 10-15%

MZD (PEARSON)

Iowa City, IA

Software Engineer

05/2020-08/2021

- Completed database overhaul on ADAM (assessment delivery and management) platform, improving user experience and overall performance by 10-20%
- Orchestrated project to automate assessment generation dynamically based on class enrollment, utilizing Merkle tree developed in Postgres, completely removing inefficient manual steps for teachers
- Impacted product quality and usability consistently, 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

UNIVERSITY OF IOWA

Iowa City, IA

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

08/2016-05/2019

SKILLS

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

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