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Midwest Tape, LLC

Senior Software Engineer

February 2023 - Present

- Built an EKS cluster to host non-production environments for the suite of backend microservices, including pull-request environments for manual testing
- Stood up a CI/CD pipeline using Github Actions and ArgoCD, enforcing code style and providing fast feedback to developers from tests and QA
- Migrated all backend Guice+RESTEasy applications on Java 8 to Spring Boot and Java 21, unifying configuration, testing, and deployments

LANGUAGES

Kotlin
Java
Groovy
Scala
Python
C#

Unifyd

Senior Software Engineer

February 2022 - January 2023

- Built an EKS cluster, managed by ArgoCD, to host environments for each Github pull request for manual testing and QA
- Introduced an automated test suite which increased coverage from 0% to 65% to safely pay back tech debt
- Refactored the deployment strategy from customer specific branches, to using feature flags and a configuration management system

FRAMEWORKS

Spring Boot
Guice
Grails
Ktor

Rocketmiles

Senior Software Engineer

February 2021 - January 2022

- Technical lead of the payments team: mentor, scope requirements, work with other teams, and plan sprints to launch payment processors for the whitelabel platform
- Added 3 currencies and 2 payment processor to the payment page, enabling transactions in more regions

TECHNOLOGIES

Docker
PostgreSQL
Terraform
Kubernetes
ArgoCD
Elasticsearch
AWS Batch
AWS Lambda
DynamoDB
Aerospike
Kafka
Step
Functions

Software Engineer

October 2019 - February 2021

- Joined users from 4 different application databases to be used from a single, unified datastore
- Migrated customer PII to an encrypted datastore with no interruptions to application uptime

Signal

Software Engineer

September 2018 - August 2019

- Reduced processing time from hours to 15 minutes for batch jobs by converting a web application to run in a container and orchestrated by AWS Batch
- Worked on the activations team writing and maintaining Java applications, increasing reliability, maintainability, and visibility into the pipeline

Clarity Partners LLC

Senior Software Consultant

January 2013 - September 2018

- Wrote a tool using GIS to enforce licensing of an even distribution of moratoriums
- Transitioned the Chicago vehicle registration program from summer sales only, to year round sales