THOMAS MCLEAN

Software Engineer

A Software Engineer with 4+ years of experience specializing in Elixir and Ruby. A proven track record designing, implementing and leading high-performing projects. I use my adaptability, motivation, and retrospection to quickly step up in challenging roles and thrive in dynamic environments.

CONTACT

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💻 https://www.ThomasMcLeanjr.cv

📍 Philiadelphia, PA

EDUCATION

Bachelor's of Microbiology at The Ohio State University

- Completed Courses: Micro Biology, Physics, Astronomy, Calculus
- Participated in: Battle against Hunger, Big Brothers Mentorship, Black Student Union

INTEREST

Bartending

Rock-Climbing

Writing

Music Blogger

Hiking

Volunteering

Music Blogging

Cooking

TableTop Gaming/ DM

WORK EXPERIENCE

SOFTWARE ENGINEER
June 2021 - Present
MCKESSON/ COVERMYMEDS

- Built and led a cross-functional team to develop a Prior Authorization Status Checker microservice, which scaled into a high-revenue product generating over $5M in monthly recurring revenue. The solution was architected using a microservices approach with Elixir, Ruby, and React, designed for scalability and maintainability. To ensure reliability and performance, I integrated Datadog and Grafana for real-time monitoring and observability, enabling proactive issue detection and system optimization.
- I designed and implemented a universal integration engine capable of connecting to multiple gateway APIs, eliminating the need for a costly third-party solution. By replacing the vendor contract with this in-house system, I saved the company hundreds of thousands of dollars per quarter while increasing flexibility, reducing vendor lock-in, and streamlining future integrations.
- Developed improvement plans for large-scale, enterprise-level applications, enhancing performance and maintainability.

ACCOUNT COORDINATOR
Dec 2019 - June 2021
COVERMYMEDS

- Spoke with users to translate errors that developed during the prior authorization process
- Tracked recurring issues and created workflows for future trainees
- Assisted developer teams with new implementations to increase efficiency of our business unit as a whole

TECHNOLOGY + SKILLS

Elixir/ Phoenix
Libraries: Liveview, Bumblebee, Axon, Cachex, Event Bus

Ruby/ Ruby on Rails
Libraries: OAUTH 2, Sidekiq, JWT, Rspec, EventMachine, Whenever

OTHER PROGRAMMING LANGUAGES:
- GO, PYTHON, JAVA, JAVASCRIPT, TERRAFORM,

FRAMEWORKS:
- REACT, VUE.JS, FLASK, SPRING, FASTAPI

OTHER:
TOOLS: DOCKER, GIT, JENKINS, DATADOG, SENTRY, AZURE