Devolve

Taking Citemed to the next level

CiteMed

A website that help companies conduct their clinical evaluation by delivering a high volume of beautifully written and formatted Literature Reviews

Project Overview

The CiteMed team was formed to help companies conduct their clinical evaluation by delivering a high volume of beautifully written and formatted Literature Reviews on timelines that will enable companies to get their medical products to market as quickly as possible, all while maintaining state-of-the-art compliance with the European Commission regulations By utilizing Software tool that saves an absurd amount of time on labor-intensive literature reviews so medical writers can spend it on Regulatory work that matters.

The client

Ethan Drower is the Co-Founder and Operating Partner of CiteMed, which is revolutionizing the European Union Medical Device Regulation (EU MDR) process. Literature Search and Review is the cornerstone of medical device companies' Clinical Evaluation Reports, and CiteMed has made this process more streamlined and optimized than ever.
Ethan saw a massive need-his with the implementation of the EU Medical Device Regulation in 2020 and 2021. Manufacturers were suddenly burned with work, especially when it came to Clinical Evaluation and Post Market Surveillance. Someone had to come in and innovate the space because current best practices simply wouldn't be enough to comply with the new regulation — Ethan launched CiteMed to do just that.

The challenge

- Ethan, the client, was responsible for overseeing the entire development team at CiteMed. His duties included managing scrum sprint, releases, and other technical responsibilities. In addition to his technical role, he also handled operations tasks, such as communication with end-users and internal medical writers.
- As CiteMed's reputation grew, the company attracted more clients and customers, which left Ethan with insufficient time to focus on development. Recognizing the need to delegate, Ethan decided to find a successor for his technical responsibilities. However, finding the right candidate proved challenging due to the sensitive nature of the position, which required strong communication skills, as well as both soft and technical expertise.
- The main challenge was to take over Ethans seat which included managing the development team and process effectively, while also quickly understanding the business to communicate well with end users and ensure a seamless user experience.

The Solution

Initially, I was first introduced to CiteMed as a senior Django developer after joining their development team and working with CiteMed for a while I got promoted to a dev team lead position where I was responsible for:

Overseeing Development: Staying at the forefront of development efforts to ensure seamless progress and effective collaboration within the team.

Code Review: Evaluating developers' code, providing constructive feedback, and ensuring that clean and readable code was pushed to the codebase.

Scrum Management: Managing scrum sprints, initiating sprints, and facilitating various scrum meetings to enhance productivity.

KPI Evaluation: Conducting comprehensive evaluations of sprint Key Performance Indicators (KPIs) to continuously improve software quality.

User Support: Offering high-quality support to end-users, promptly resolving technical issues to maintain customer satisfaction.

As the CiteMed project grew in complexity and scale, the need for additional team members, including developers and designers, became evident. Therefore I brought my team members and we transitioned from an individual contract to an agency model. This update allowed CiteMed to work directly with our entire team and we continued to deliver high-quality work for CiteMed, now as a dynamic and cohesive agency.

The Results

Over the course of working with CiteMed we successfully delivered the below results:

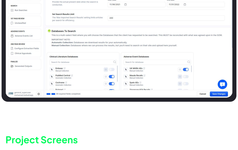
- **Redesigned Software Layout**: We modernized the software's layout, creating a more user-friendly and aesthetically appealing interface.
- **Enhanced UI/UX**: By integrating frontend technologies like Vue.js, we improved the app's user experience, making it more engaging and efficient.
- **Built API Integration**: We developed an API for the software, allowing seamless app-to-app communication and enhancing overall functionality.
- **Implemented Web Scrapers**: To save time and improve result accuracy, we built web scrapers, streamlining data acquisition processes.
- **Comprehensive Documentation**: We created well-written and organized documentation for the software, facilitating smooth onboarding and usage.
- **Code Refactoring**: we cleaned and refactored the codebase, enhancing its maintainability and efficiency.
- **Scaling and Feature Development**: The software was successfully scaled, and new features and functionalities were added based on user needs.
- **Improve App Security**: Correct permissions and access levels were implemented to bolster app security, ensuring data privacy and protecting against unauthorized access.

The testimonial

Ethan Drower

Mohamed has been a dream to collaborate with. He's grown into a full-on team lead, and has continued to put out high-quality code (and customer service for over a year now)
He interfaces with our users/staff on his own, updates and maintains all our task boards, and on top of that writes clean code and thinks through problems.
He will be on every startup dev team I build from here on out!

Project Screens



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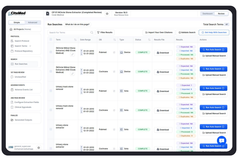

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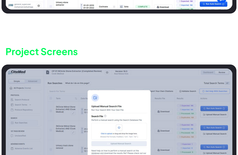

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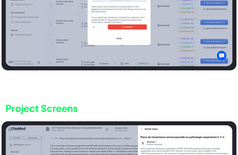

Thank You For Reading

Devolve

Case Study
Citemed

Timeline

Let's take your business to the next level