

# REBECCA WEIR

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## Software Developer & Designer

Freelance

2023

- Designed, implemented, and launched customized sites with optimized SEO and eCommerce for clients.

## Software Engineer II

Vimeo | NYC Based

2021-2022

- Released large full-stack payment and subscriber features through continuous deployment.
- Redesigned subscription system to track a subscription across events using a state machine.
- Designed and added multi-tier capabilities to subscriptions and videos, which required documenting the subscription workflow and simplifying nested logic.
- Resolved inconsistencies in external vendor integrations with In App Purchases, such as with the Google Play, Xbox, Apple, Roku Authenticators.
- Modernized user account settings page and migrated from HamI to React using hooks.
- Updated Stripe integration to process transactions for coupons and free products.
- Separated the video player experience workflow to account for user types, and therefore different access levels.
- Remodeled approach to project breakdowns, reducing our time-to-completion rate.
- Proposed and implemented documentation system for engineers, designers, and product owners alike.

## Software Engineer

Medidata Solutions, a Dassault Systemes Company | NYC Based

2018-2021

- Team and technical lead for clinical trial authorization team.
- Coordinated and implemented introduction of Clinical Trial Organization that remodeled responsive navigation bar and dictated new means of calculating authorization at each dropdown level.
- Created filter dropdowns and search for front-end service that rendered across applications and read from dedicated roles service to produce paginated results based on study categories and user roles.
- Migrated authorization application from EC2 to ECS and designed autoscaling guidelines using AWS Cloudwatch metrics.
- Integrated with NewRelic to capture metrics at particular points along manage roles user interaction workflow.
- Mentored two engineers on career and technical subjects.

## EDUCATION

### Bachelor of Science | Biochemistry And Cellular And Molecular Biology

University of Tennessee, Knoxville, TN

## AWARDS

### Encore Award

Received at Medidata Solutions for stepping up to complete a demanding project under a time limit

## PUBLICATIONS

Sequential Dynamics of Stearoyl-CoA Desaturase-1(SCD1)/Ligand Binding and Unbinding Mechanism: A Computational Study

The quinic acid derivative KZ-41 prevents glucose-induced caspase-3 activation in retinal endothelial cells through an IGF-1 receptor dependent mechanism

Ensemble-based docking: From hit discovery to metabolism and toxicity predictions