

regina lee

SOFTWARE ENGINEER

regina.v.lee@gmail.com | 949-648-9540

  reginavlee | reginavlee.com

New York, NY

PERSONAL PROFILE

I'm a biologist-turned-software engineer, a relentless problem solver and perpetual learner. I enjoy unraveling complex problems down to their essential parts.

EDUCATION

Hack Reactor

Advanced Immersive Software Engineering Program, 2017

Tufts University

Biomedical Science, M.Sc., 2017

University of California, Los Angeles

Microbiology, Immunology,
Molecular Genetics, B.S., 2012

SKILLS & LANGUAGES

- Ruby on Rails
- Javascript
- StimulusJS
- HTML / CSS
- React.js / Redux
- Jest / Enzyme
- Node/Express
- PostgreSQL
- Kotlin
- Elasticsearch
- Neo4j
- Docker
- Jenkins
- Git / Gitflow

EMPLOYMENT HISTORY

leapcure

Head of Engineering

Feb 2021 - present

- Continuation of previous role
- Led a team of data analysts, DevOps engineers, and QA engineers to aid operations in supporting multiple studies in over 30 countries
- Introduced PowerBI and Metabase to scale up data analysis to track marketing and sales performance for increased patient recruitment
- Maintained the product roadmap and solely supported full stack development on the Ruby on Rails web app
- Supported in client calls to provide technical counsel and managed client expectations
- Contributed to social media initiatives for company branding

BLACKBOX ENGINEERING

Lead Software Engineer

Dec 2019 - present

- Built and deployed a survey tool in 1 month for Leapcure, Inc to successfully find over 40,000 plasma donation patients for COVID-19 research efforts.
- Designed, architected and rebuilt a new responsive and multi platform compatible screening tool for Leapcure using Ruby on Rails
 - Supported studies and screeners to find over 4,000 potential participants across multiple studies
 - Created varying portals for administrators, site coordinators, and sponsors to review participants and studies based on role permissions
 - Built analytics dashboards that allowed administrators to understand study performance
 - Worked closely with the CEO and operations team to construct product roadmaps and organize weekly sprint and daily tasks
- Contributed to in house template repositories that reduced the time to bootstrap new client projects from 1 week to 1 day.

DEEP6 AI

Software Engineer

Jul 2017 - Nov 2019

- Worked closely with product and data science teams to design and implement fullstack applications with a ReactJS frontend and Kotlin middletier, including features such as a detailed timeline with a navigable breakdown of patient records
- Created a custom ORM to construct complex medically relevant queries that translate into Elasticsearch and Neo4j requests
- Assisted in architecting and writing an application that connects multiple hospital sites to a central hub using ETCD
- Established, published, and maintained internal reusable component library utilizing Storybook.js, with documentation and testing in Jest / Enzyme
- Lead engineer defining styles and conventions for application projects and regularly took part in code reviews
- Phonscreened, interviewed, wrote coding challenge assignments, and reviewed submissions to triple the size of the application team