

## Frontend Deployment

*Designed deployment and bundling strategy for react applications*

- Build webpack plugin to exclude whitelisted dependencies from bundle, leading to a 50% reduction in static content size
- Build loader that includes bundle and shared dependencies on webpage

## Virence Migration

*Oversaw migration of an acquisition's frontend to React*

- Introduced several teams of AngularJS developers to React
- Architected solutions to maintain compatability with existing backend



## Senior Software Engineer

*Feb 2018 - Present*

## Software Engineer

*Sep 2015 - Feb 2018*

## Nursing Flowsheets

*Improved workflow for nurses to document patient assessments*

- Spearheaded the development of the company's first React application
- Reduced load and render time of data grid by upwards of 90% through virtualization and an upgraded API
- Lowered user documentation time by ~60% by condensing workflows

## Forge Design System

*Developed a React component library for our internal design system*

- Implemented generalized table and selection list components
- Pioneered process for decentralized teams to contribute to the library

## Messaging Operations

*Maintained message queuing system for contacting patients*

- Integrated a new messaging service provider to decrease cost per message from \$0.10 to \$0.03, saving ~\$4 million per year
- After enhancing monitoring with Grafana, identified bottlenecks and increased message completion rate from 99.3% to 99.97%



## Intern

*Jun 2015 - Aug 2015*

## IdeaLab

*Modeled customer life cycles to recognize valuable clients*

- Segmented the customer base through statistical analysis and machine learning using R



## Intern

*May 2014 - Aug 2014*

## VTeam

*Designed and implemented a .NET application to view project dependencies using C#*

- Computed module integration complexity using design predicates and reflection