Nicholas Skotny

`Software Engineer`

Relevant Experience

Sr Software Engineer @ Optum **|** Mar 2021 - Present **|** Boston, MA
Software Engineer @ Optum **|** Nov 2018 - Mar 2021 **|** Boston, MA

- Worked across the entire spectrum of software engineering to develop user-focused web applications as part of an agile/scrum team
- Developed a large-scale insurance quoting/enrolling platform for internal users and external brokers using a React front-end, multiple Node/Express microservices, and MongoDB
- Collaborated to build a mobile friendly web app that provides insurance brokers with near real-time status updates on insurance case installations using a React front-end, Node/Express back-end, Java microservices, and a MySQL database
- Created a modern front-end user interface using Material UI library for a clean and elegant mobile experience
- Established back end MySQL connections and wrote SQL statements to retrieve data in a batch process through a Java/Springboot microservice
- Utilized automated testing with Selenium/Cucumber to ensure all UI components and APIs met high quality coding standards
- Maintained application codebase through version control with Git

Data Scientist I @ Optum **|** June 2017 - Nov 2018 **|** Boston, MA

- Worked with clients to define potential machine learning opportunities within the pharmaceutical industry
- Extracted large datasets with SQL and wrote Python scripts to clean and prepare datasets for analysis
- Explored datasets using Python and R to determine predictive model potential and projected business value of projects
- Created, evaluated, and deployed predictive machine learning models centered around pharmaceutical healthcare data to help automate prescription prior authorization processes

Skills

Programming Languages

JavaScript (ES6), HTML, CSS, Python, R, SQL

Libraries & Frameworks

React, Redux, Node.js, Express

Tools & Platforms

Git, Firebase, MongoDB, NoSQL, Docker, Jenkins, Openshift

Education

University of Massachusetts Amherst

September 2013 -May 2017

Bachelor of Science in Industrial Engineering

Strengths

Collaborative, ambitious, curious, resourceful, decision-making, adaptable

Interests

Kayaking, fishing, hiking, rock climbing, cooking, gaming, snowboarding