Nayema Nasir

Full Stack Web Developer Apprentice

Summary

Scientist turned aspiring Full Stack Web Developer. Currently pursuing knowledge in React/Redux and Node Express in order to build automated tools for regulatory environments. I’m motivated by the need to replace outdated technologies in the pharmaceutical industry. Strong practitioner of lifelong learning and growth mindset.

Experience

2017-07 - present

Full Stack Web Developer Apprentice

- Self-taught journey under the mentorship of a Senior Full Stack Web Developer
- Started by building a statically typed foundation with Java
- Built 4 "tiny apps" using ReactJS, Redux, and Node Express, and deployed with CI/CD
- Currently building an SPA for automating the calculation of Maximum Allowable Carryover (MACO) limit for Cleaning Validation in a GMP environment

2016-08 - 2017-07

Validation Scientist

Patheon, Inc.

- Delivered validation packages on timely manner summarizing the criticality of manufacturing and primary packaging processes of various local and international pharmaceutical clients.
- Additionally supported Cleaning Validation / Verification efforts to minimize manufacturing backlog of cleaning shared equipment for similar products.

2015-06 - 2016-07

Material Qualification Specialist

Validation Technologies Inc.

Initiated a 3 month contract for client through VTI for a Global Material Qualification project. This entailed a Global Material Qualification approach to qualify two suppliers for a critical excipient material for best cost strategy (>$600K), and resumed with extension of work for additional pharmaceutical grade materials.

Relevant Projects

2018-02 - present

Maco Bot

https://maco-bot.herokuapp.com

Auto-calculates Maximum Allowable Carryover (MACO) limit: the maximum amount of carryover allowed from Product A which will not impact the integrity of Product B after cleaning shared equipment. The auto calculation is performed using different datasets.

2018-01 - present

What to Wear

https://github.com/nayema/what-to-wear

Allows the user to receive a notification of what outerwear to wear for the day based on AccuWeather’s RealFeel temperature API.

2018-01 - 2018-01

Give My Stuff

https://give-my-stuff.herokuapp.com/

Locates nearby clothing donation drop boxes. The data is collected from Toronto’s Open Data initiative and linked with Google Map’s API.

2018-01 - 2018-01

Drag Yo Pic

https://github.com/nayema/drag-yo-pic

Overrides all EXIF metadata timestamps of photos sourced from different DSLR cameras in a simple user friendly interface. This allows photos to be reordered based on the actual time that they were taken.

Personal Info

Portfolio

http://nayemanasir.com

Blog

http://nayemanasir.com/blog

GitHub

https://github.com/nayema

LinkedIn (CV)

https://www.linkedin.com/in/nayemanasir

Education

2007-09 - 2012-04

University of Waterloo

Honours Biology with specialization in Molecular Biology and Biotechnology, co-operative program

Technical Skills

HTML, CSS, JavaScript

ReactJS and Redux

Node Express

PostgreSQL, SQLite

ObjectionJS, Knex (ORM)

Java, Swing, Maven

Representational State Transfer (REST)

Acceptance, Unit and Integration Testing

Domain Driven Design (Value Objects, Entities, Repositories)

Domain Modeling, Data Modeling

Test Driven Development (TDD)

Git, GitHub, Continuous Integration / Continuous Delivery

Object Oriented Programming

Walking Skeleton Pattern