



Nayema Nasir

Full Stack Web Developer



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 I'm motivated by the need to replace outdated technologies in the pharmaceutical industry.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

Jul 2017 - present

Full Stack Web Developer

- 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

Aug 2016 - Jul 2017

Validation Scientist

Patheon Inc., Toronto, Ontario, Canada

- Delivered validation packages using MS Word and Excel in a timely manner. Summarized the criticality of manufacturing and primary packaging processes of various oral solid dosage pharmaceutical drugs for local and international clients.
- Coordinated and supported the qualification of catastrophic inter site purified water transfer study between 2 different Patheon facilities and maintained project workflow to meet critical deadlines.
- Additionally, supported Cleaning Validation / Verification efforts to minimize manufacturing backlog of cleaning and sanitizing shared pieces of equipment for similar products.

Jun 2015 - Jul 2016

Material Qualification Specialist

Validation Technologies Inc., Los Angeles, California, USA

- Initiated a 3 month contract for client through VTI for a Global Material Qualification project. This entailed a Global Material Qualification approach for a critical excipient material, received from 2 different suppliers, for a best cost strategy saving of \$600K+ per year for the client. This contract was resumed with extension of work for additional qualification of pharmaceutical grade excipients, auxiliaries and processing materials.
- Generated material evaluation memorandum and protocols, performed execution, and summarized results in report format using MS Word and Excel, rationalizing the conclusion of material integrity. Maintained Document control workflows including Deviation Reports and Corrective Actions / Preventative Actions via Trackwise 8.
- Coordinated meetings and maintained workflows of various projects with applicable departments such as Supply Quality, Regulatory Affairs, Procurement, Material Life Cycle Management, Receiving and Inspection, Sterility Assurance.
- Built positive working relationships with the client and applicable departments such as Supply Quality, Regulatory Affairs, Procurement, Material Life Cycle Management, Receiving and Inspection, Sterility Assurance, and Quality Life Cycle Management. Skillfully navigated the relationship dynamics to keep everyone apprised of project progress, and took on the task of workflow planning to ensure that all projected milestones were met.



Personal Info

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E-mail

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GitHub

<https://github.com/nayema>

Portfolio

<http://nayemanasir.com>

Blog

<http://nayemanasir.com/blog>

LinkedIn (CV)

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



Education

Sep 2007 - Apr 2012

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



Relevant Projects

Feb 2018 -
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.

Jan 2018 -
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.

Jan 2018 -
Jan 2018

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.

Jan 2018 -
Jan 2018

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.