

# Nathaniel Mosco

mail: [natemosco@gmail.com](mailto:natemosco@gmail.com)

cell: +1 (765) 251-8941

web: [nathanielmosco.com](http://nathanielmosco.com)

git: [/natemosco](https://github.com/natemosco)

in: [/in/natemosco](https://www.linkedin.com/in/natemosco)

## JavaScript Developer

Results-oriented JavaScript programmer with experience developing, testing, and maintaining software applications. Worked in multiple JavaScript frameworks and active experience in modern React tooling – including Redux, functional components, hooks, and GraphQL.

## EXPERIENCE

### Web Developer Internship @ Ying Mobile Skill Sharing App *Remote*

2020 July - Sept *React, GraphQL, Ionic, Prisma, Firebase* [Experience Writeup](#)

- Remodeled authorization flow and private routes to appropriately handle auth token and stop multiple page re-renders.
- Leveraged Firebase to incorporate MFA reset password workflow.
- Reduced duplicated code in the codebase by ~3000 lines through a thoughtful refactoring of the onboarding forms, Mailchimp implementation and existing display components.
- Named top 5 code contributor at Ying, measured by code committed to Prod.

### ICU Registered Nurse @ Ball Memorial Hospital

*Muncie, IN*

2017 - 2018

- Maintained intensive 2 patient load while responsible for administration of multiple infusing medications, ventilator machine monitoring, cardiac monitoring and direct communication with physician team to optimize level of care.
- Consistently implemented good communication and teamwork strategies to manage patient load alongside on unit patient emergencies.

## PROJECTS

### De-Em (Slack Clone) | Demo | [Repository](#)

*React, GraphQL, Redux, Firebase, MongoDB*

- Utilized modern front end tooling to create a high-fidelity mock of the popular Slack app. Built with functional components, hooks, and Apollo GraphQL.
- Distributed backend between both relational and non-relational DBs to store message data and allow document attachments respectively.
- Notification alerts built into Google Chrome notifications.
- Optimized performance to be blazingly fast by leveraging Apollo and GraphQL.

### Tagger | [Demo](#) | [Repository](#)

*React, Node, Express, IMAP, OAuth 2.0, Jest, FuzeJS*

- Minimized inspection costs for stakeholders by \$10,000 by implementing backend Gmail calls using IMAP instead of Google's Gmail API.
- Reduced maintenance cost of email client through code refactoring; eliminating over ~2,000 lines of dead code.
- Increased project maintainability score across the codebase by 6% with a total rating of 86% on Code Climate (SonarCube clone).
- Aggressive timeline lead to over 75 commits within a 30-day timespan
- Extra tooling: Google API, Heroku, Knex JS, SQLite and PostgreSQL.

### Spotify Song Suggester | [Demo](#) | [Repository](#)

*React, Javascript, Python, Styled-Components*

- Leveraged Spotify API to design ML enhanced song suggestor.
- Paired with Data Science team members to apply their sequential Neural Network model in the web app.
- Platform refined song suggestions based on previously favorited songs based on the user's current musical scope.
- Implemented category search, allowing users to manipulate 13 predefined categories such as "danceability" and "tempo" for a unique generated playlist.

### CoMake | [Demo](#) | [Repository](#)

*React, Javascript, Styled-Components*

- Engineered Social Issue Tracker to raise awareness of issues in the community.
- Implemented upvote feature to allow most important features in the community to organically rise to the top.

## SKILLS

### Languages:

JavaScript ES5/ES6  
TypeScript  
Python  
HTML5, CSS3  
SQL, JSON

### Frameworks and Libraries:

React, Styled-Components,  
Node, Express, Ionic,  
SASS,  
REST, Bootstrap

### Database:

PostgreSQL  
SQLite  
Knex

### Testing:

Jest  
React Testing Library

### Tools:

VS Code  
Git, GitHub  
Heroku, Netlify, Zeit  
Mac OS

### Trained In:

- React Fundamentals
- Redux & State Management
- REST and GraphQL
- Data Structures & Algorithms
- Assembly
- Software Testing & QA

## EDUCATION

### Lambda School

2019 - Sept 2020

*Full-Stack Web Development*

### Indiana Wesleyan University

2015 - Apr 2016

*B.S. in Nursing – GPA 3.8*

### Grace College

2008 - May 2012

*B.S. in Biology*