Nathaniel Mosco

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Full Stack Jr. Software Engineer

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

EXPERIENCE

Interview Engineer @ Karat   *Remote*
2021 Sept - Current   Karat.com
  - Conducted and assessed fully remote interviews and coding challenges in a wide variety of coding languages.
  - Evaluated communication skills, coding quality, and asymptotic notation for coding solutions in every interview.

Full Stack Jr. Software Engineer @ SigParser   *Remote*
2021 April - Current   *C# TypeScript .NetCore React Postgres AWS*   Sigparser.com
  - Increased customer retention rate by 5% via implementing customer database monitoring to identify current and potential problems and added GUI tooling for Customer Service Rep to visualize, debug, and resolve those problems.
  - Leveraged AWS tooling to integrate necessary 3rd party services, store results, and maintain cache to decrease dependency on integrated external services.
  - Updated portions of existing front-end from AngularJS to React.
  - Developed API access points for current production customer-facing API.

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.

PROJECTS

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, TypeScript
C#
Python
HTML5, CSS3
SQL, JSON

Frameworks and Libraries:
.NET, .Net Core,
 React, Styled-Components,
Node, Express, Ionic,
SASS,
REST, Bootstrap

Database:
PostgreSQL
SQLite
Knex

Testing:
Jest
React Testing Library

Tools:
VS Code
Visual Studio, JetBrains Rider
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