

# AMBER MORRIS

## SOFTWARE ENGINEER

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### SUMMARY:

Full-Stack engineer with 2+ years of experience building software applications and expertise in JavaScript, React, Node.js, and Java. Proficiency in writing automated and manual tests to ensure product quality. Familiarity with working in a CI/CD environment.

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### TECHNICAL SKILLS

**Front End:** React, Redux, Javascript ES5/ES6, HTML5, CSS, Bootstrap, Material-UI

**Back End:** Node.js, Express, Java, Spring Boot, GraphQL, MySQL, PostgreSQL, Sequelize, Hibernate, MongoDB, Mongoose, Docker, Axios, Guice

**Testing:** Mocha, Chai, Jest, Enzyme, JUnit, Groovy

**Developer Tools:** Git, NPM, Webpack, Babel, Agile Methodology, Grafana, New Relic, Netflix Conductor, JIRA, AWS, Heroku

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### EXPERIENCE

#### Software Developer - Redfin

Sep 2021 - Nov 2022

- Worked on the Home Valuation and Asset Tools (HEAT) team to build scalable, highly-reliable, cloud-based Java microservices and UI features in a CI/CD environment
- Partnered with analytics to create products that drive pricing accuracy by leveraging Machine Learning model predictions throughout offer-building processes

##### Neighborhood Details Section

- *JavaScript, ReactJS, GraphQL, Java, Spring Boot, Hibernate, PostgreSQL*
- *UI feature that displays various neighborhood data we have on a given property*
- Accurately built out the front end based on our Product Designer's mockup using ReactJS
- Wrote Hibernate code to interact with various Redfin services and databases to surface all of the data needed into a central location
- Drew a GraphQL Schema to neatly package the data taken from our backend data stores directly into our frontends state management

##### Automated Offers

- *Java, Netflix Conductor, PostgreSQL*
- *Service to automatically generate and send offers to customers wanting to sell their home to Redfin*
- Implemented a Conductor workflow to orchestrate the following: the service receives data input by a customer, sends the data to various analytics endpoints to leverage ML pricing models, then packages the model responses to create and deliver an offer without any need for human intervention

##### Offer Score Optimization

- *Java, JavaScript, ReactJS, PostgreSQL, Spring Boot*
- *Service to ensure all purchase deals have an ideal offer score of 100*
- Implemented a backend algorithm that relies on pricing models and other data to generate an offer price (thus removing an agent's need for guesswork, saving on average 8 hours per week)
- Created a front-end component with React to automatically render the generated value

#### JavaScript Tutor - Wyzant

June 2021 - Sep 2021

- I tutored students and junior engineers in problem-solving skills, code debugging, and the following subjects: Vanilla JavaScript, React, Redux, Node.js, Express, and ES6.

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### OTHER PROJECTS

**Jane Rosenzweig DE&I Consultant (Freelance)** - <http://janerosenzweig.com/>

- *Custom portfolio website built with React*
- *Features a blog API written with NodeJS and Javascript*

**Unshiftly (Hack Reactor)** - <https://github.com/Blue-Himalaya/unshiftly>

- *React web app with that provides a restaurant manager and employees with scheduling capabilities*
- *Used Redux for frontend state management and mySQL to store employee info*

**Catwalk (Hack Reactor)** - <https://github.com/Ponderous-Polar-Bear/project-catwalk>

- *Ecommerce application built with React that allows users to browse, review, and rate clothing items*
- *Wrote ETL algorithm with vanilla JavaScript to parse millions of rows containing clothing data for the app*

**Find Your New Fav** - <https://github.com/amberMorris97/funfapp>

- *Fullstack application that allows users to submit 3 underground artists to be promoted*
  - *Utilized NodeJS to integrate app with Spotify API; Created a new API with Python and Flask to store submitted data*
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## **E D U C A T I O N**

### **Half Hollow Hills HS East**

- Graduated with High School Diploma

**Sep 2010 - June 2014**

### **Hack Reactor**

- Advanced Software Engineering Immersive

**Mar 2021 - June 2021**