<HAILEY JANE BOBELLA />

FULL-STACK ENGINEER

CONTACT

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PROFICIENT

JavaScript
React
NodeJS
SQL
MongoDB
Git
CSS
HTML
TDD

EXPERIENCED

Amazon AWS
Docker
neo4j
React-Native
AngularJS
Backbone.js
Mithril.js
Vue.js

EDUCATION

Hack Reactor
Advanced Software Engineering Immersive Program, 2018

New York University
B.A. in Linguistics, Academic Award Recipient, 2010-2013

PERSONAL

During my free time, I am an active guitarist, cellist, bassist, singer, and composer, a volunteer advocate for survivors of sexual assault at Austin nonprofit SAFE, and an aspiring game dev with a passion for video and board games.

SOFTWARE ENGINEERING APPLICATIONS

BV-Loader Layout Editor, *Front-End Engineer*
A proprietary internal tool for use in configuring client displays using Bazaarvoice's new flex display..

- Created system to connect components in encapsulated React instance with external data structure to allow for ease of editing
- Implemented GUI for adding, deleting, editing, and moving nodes on an underlying JSON document via tree manipulations
- Introduced complex state management including undo/redo functionality
- Designed mechanism for interpolation of global and local variables into template at build time

hexology, *Team Lead and Full-Stack Engineer*   hexology-game.com
A hex-based browser strategy game you can play with friends or against an AI.

- Engineered extensive front and back-end game using React-Redux and Express
- Implemented scratch-built single player AI using goal-oriented action planning
- Configured socket.io to allow for real-time play between multiple clients
- Devised coordinate-based procedural map generation and complex combat-resolution algorithm

hackXchange, *Full-Stack Engineer*   hackxchange.herokuapp.com
Forum with point-based economy where developers can post coding questions and vote on solutions.

- Reconfigured legacy stack (Express, AngularJS, mySQL) to allow for complex user interactions, features, and post categorization
- Allowed for persistent, secure logins using Passport's local strategy

grassroots, *Full-Stack Engineer*   hr-grassroots.herokuapp.com
A tool for connecting voters with local politicians and election resources.

- Utilized React-Redux, React-Router, and Semantic UI to create components
- Designed relational databsae schema
- Oversaw development and Heroku deployment and kept team on task to meet deadlines and goals

reCHORD, *Full-Stack Engineer*   rechord-progression-builder.herokuapp.com
Visualizer for creating chord progressions and looking up guitar chords.

- Used React-Redux to create guitar neck visualizer and chord lookup form
- Integrated Guitar Party API to retrieved chord information and display on screen
- Utilized MongoDB and Express to store chord progressions to database

WORK AND VOLUNTEER EXPERIENCE

Bazaarvoice, *Front End Software Engineer II*   *2018-Present*

- Optimize and maintain performant, scalable front-end engine, bv-loader, to deliver and run third party JavaScript on hundreds of client sites
- Create and iterate on internal tools to maximize efficiency across departments
- Design and build out declarative, proprietary component library and render engine for new flexible display

Hack Reactor, *Resident Project Lead*   *2018*

- Contributed full-stack features to internal apps in Mithril.js and neo4j
- Oversaw senior thesis projects and provided technical and leadership guidance
- Conducted technical interviews with prospective applicants
- Organized and led student study groups and supported students during sprints

Hello World, *Volunteer Instructor*   *2018*

- Provided educational support to teens during drone-based JavaScript immersive

Pulse of Austin, *Full-Stack Engineer*   *2018*

- Worked on design of web app for local non-profit organization (still in alpha)