

Technical Skills

Strong

- React, JavaScript, NodeJS, Express, SQL, relational databases, Ruby, Ruby on Rails, Git, Linux, WebSockets.

Experienced

- Webpack, Redux, TravisCI, React Native, Android SDK, jQuery, AWS, deployment, shell scripting.

Professional Experience

Referral Exchange, <i>Contract Software Engineer</i>	2015 - 2016
World Franchising Network, <i>Freelance Software Engineer</i>	2015
Musically Minded Inc., <i>Administrator and Teacher</i>	2011 - 2014

Projects

Reprise, *Software Engineer*

<https://github.com/NerdDiffer/reprise>

Real-time digital music collaboration

- Implemented client-side JWT authentication with PassportJS and Facebook OAuth.
- Built instrument user interfaces in React to wrap WebAudio API libraries.
- Redesigned backend API into a RESTful authentication service.
- Modeled persistent data using Postgres and Sequelize ORM.
- Utilized Web RTC and socket.io to directly connect clients and optimize latency, using a mesh network.
- Wrote bash scripts to automate deployment tasks and project initialization.

Redux, *Software Engineer*

<https://redux.herokuapp.com>

Reddit content reader and API client

- Established authentication flow using OAuth2 protocol and access tokens for personalized user experience.
- Shaped, managed and distributed API response data (user subscriptions, popular subreddits, posts, etc) with Redux.
- Tested authentication, data flow, user actions and more while writing atomic tests, running on Ava.
- Stubbed, mocked API calls and local storage for predictable BDD-style tests, minimizing side-effects.
- Constructed development and production build chains with Webpack, integrated with Semantic-UI library.

HashItOut, *Software Engineer*

Twitter with your GitHub account

- Wrote front-end client in React Native and ES6, built for iOS and Android.
- Connected client to RESTful back-end API and designed UI.

Man Page Parser, *Software Engineer*

Unix documentation reporter for your local filesystem

- Architected a back-end service to analyze local system's man pages with Node.
- Exposed a simple, RESTful API, supported by Express and QA'd with cURL.

Item19's, *Software Engineer*

<https://www.item19s.com/>

Purchase financial performance documents

- Built a complete, secure shopping and payment experience with Redis, CoffeeScript, Ruby on Rails
- Migrated data and resources from previous incarnation to AWS, Postgres with Rake, Ruby.

JobTracker, *Software Engineer*

https://github.com/NerdDiffer/job_tracker/

Application tracking system for job seekers

- Upgraded to Rails 5, API-only application
- Remodeled data in Rails over Postgres database schema to provide private ownership of resources.
- Wrote autocompletion dictionary with Redis to improve UX when associating entities.
- Configured TravisCI and CodeClimate for continuous integration and code quality reporting.

Education

Hack Reactor, <i>Advanced Software Engineering Immersive Program</i>	2016
CSU East Bay, <i>B.A. in Music</i>	2008-2010
Diablo Valley College, <i>Music</i>	2006-2008