Jonah Lipsky

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<u>LinkedIn</u> // <u>Github</u> // <u>Portfolio</u>

WORK EXPERIENCE

Senior Applications Engineer
Medidata Solutions, a Dassault Systèmes company   **April 2021 - Present**
*Advised and led two engineering teams on a mission critical cross-service feature
*Designed architecture for several cross-service features intended to be the leading edge of customer growth
*Led procurement effort of a dynamic configuration tool: POCs, pricing negotiations, executive presentations
*Created a ruby gem and engaged stakeholders across the company to prioritize and deploy it to production

Applications Engineer
Medidata Solutions, a Dassault Systèmes company   **April 2019 - April 2021**
*Led a team introducing a mission critical feature change to the core platform and debugged all issues that arose
*Created an auto-scaling system for the continuous availability and cost-saving of a mission critical application
*Contributed pull requests resolving n + 1 queries and other performance bottlenecks for improved performance
*Worked with a team of 4 other engineers to maintain an availability of three codebases forming the centerpiece of a platform that serves more than 1,000,000 users
*Upgraded the rails and mysql versions of one of our codebases
*Generated and implemented refactored code based on an analysis of the code for performance and availability of the system
*Refactored old code to be more performant and readable, including an emphasis on test readability
*Engaged TDD and BDD methodologies in writing unit, integration and end-to-end Rspec and Cucumber specs and scenarios

PROJECTS

JamCloud: a SoundCloud-inspired App   <u>Live</u> <u>Github</u>
*Leveraged polymorphic associations on the Ruby on Rails backend for 'likes' on tracks, comments and users.
*Constructed a React sound progress bar component using rapidly sent Redux actions to maintain synchronicity.
*Implemented full CRUD on several database entities managed via async dispatched Redux actions with Ajax.
*Integrated file storage on Amazon Web Services S3 (AWS) for efficient access to audio and image files.

SKILLS

Advanced: JavaScript, React, Redux, Ruby on Rails, Amazon Web Services, SQL, PostgreSQL/MySQL, HTML5, CSS3, Microservices Architecture, Git. **Proficient:** Non-relational Databases, Python, Next.js, Node.js, GraphQL, Google Firebase, R, Sass, jQuery, Google Apps Script. **Basic Knowledge:** Matlab, Machine Learning, Django.

EDUCATION

App Academy, New York, NY.   **Nov 2018 — Feb 2019**
Full-stack Coding Bootcamp with <3% acceptance rate. 1000 hour software development course that focuses on full-stack development and teaches React, Javascript, Ruby on Rails, SQL, Redux, TDD, algorithms, design patterns, and best practices.
Bennington College, Bennington, VT. Concentrations: Psychology & Drama, B.A.   **2008 - 2013**