

Will Mills

SOFTWARE ENGINEER

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EXPERIENCE

RedPoint Notebooks, Software Engineer

2019 - PRESENT

- Co-created a web-native computational notebook designed for sharing and presenting programming notes
- Built back-end server architecture with Node.js and responsive front-end design using React.js
- Designed language collation and a server-side queue to execute multiple languages with one click
- Created a client-server architecture model that uses Websockets for full duplex client-server communication
- Incorporated a MongoDB database to extract and persist notebook data in JSON format
- Designed delimiter system to drastically improve performance of processing cell-based code for slotting output
- Secured all data transmission via HTTPS through encryption
- Authored an in-depth 27 page case study outlining the engineering challenges of building RedPoint: <https://redpoint-notebooks.github.io/>

Self-Employed, Full-Stack Web Developer

2018 - 2019

- Developed web applications for personal and OSS projects
- Implemented test suites with Minitest and Jest
- Built Reaction, a clone of the Trello project management app using a Rails back-end API, a SQL database and a React/Redux front-end

EDUCATION

Launch School, Remote — [Mastery-based](#) Software Engineering

2018 - 2019

Ryerson University, Toronto — B.A. Sociology

2005 - 2009

LANGUAGES

JavaScript, Ruby, SQL, HTML, CSS

SKILLS

Node.js, React.js, Ruby on Rails, HTML5, PostgreSQL, Redux, Git, Docker, Agile, ES6, RESTful APIs