Will Mills

SOFTWARE ENGINEER

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Website | GitHub | LinkedIn

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 and custom Bootstrap
- 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 and slotting output correctly
- Secured all data transmission via HTTPS through encryption
- Authored an in-depth 27 page case study outlining the engineering challenges of building RedPoint

Self-Employed, Full-Stack Web Developer

2018 - 2019

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

EDUCATION

Launch School, Remote — *Mastery-based Software Engineering*

2018 - 2019

Ryerson University, Toronto — *B.A. Sociology*

2005 - 2009

SKILLS

Node.js

React.js

Ruby on Rails

HTML5

PostgreSQL

Redux

Git

Docker

Agile

ES6

RESTful APIs

LANGUAGES

JavaScript

Ruby

SQL

HTML

CSS