John Isom

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PROFESSIONAL EXPERIENCE

Co-Creator & Software Engineer, *Maestro*   May 2020 – present
Open-source easy-to-use framework for quickly bootstrapping, deploying, and
rapidly iterating serverless orchestration workflows with AWS IAM, AWS Lambda, and
AWS Step Functions.

- Leveraged asynchronous Node.js® execution to improve deployment and
  teardown time to be lightning fast.
- Created a framework that is over 60x faster to deploy than the fastest competitor
  (AWS SAM).
- Built a robust and easy-to-use CLI that abstracts away complex deployment logic,
  available as an npm package.
- Wrote detailed yet concise documentation and man pages for each CLI
  subcommand.
- Co-authored a detailed case study that explores the area of serverless
  orchestration, existing solutions in the problem space, and the process of creating
  Maestro (maestro-framework.github.io ⊡).
- Pioneered a greenfield project in a niche space.
- Collaborated daily with a 100% remote team of engineers.

Full-Stack Developer, *Self-Employed*   Jul 2019 – present
Developed a variety of open source web apps using Ruby, Rails, JavaScript, Node.js,
React.js, HTML, CSS, and SQL.

- Reaction: A Trello-like organization board built with React.js, Redux, PostgreSQL,
  and Rails; powered by a RESTful API.
- Just Postit: A Reddit-like social app built with Bootstrap, Rails, and PostgreSQL;
  deployed to Heroku.
- The Time Manager: A time-tracking application that helps track study/work time,
  built with OOP-designed Ruby and the Sinatra framework.

LANGUAGES AND TECHNOLOGIES

Languages
- *JavaScript (ES5 & ES6+)*
- *SQL*
- *Python*
- *Ruby*
- *HTML5 & CSS3*

Frameworks
- *Rails*
- *Sinatra*
- *React.js & Redux*
- *jQuery*
- *Handlebars.js*

Cloud
- *AWS IAM*
- *AWS Lambda*
- *AWS Step Functions*
- *Heroku*

Other
- *Git & GitHub*
- *GNU/Linux*
- *IP; TCP; UDP; HTTP; TLS*
- *OOP*
- *Agile*

EDUCATION

Launch School, *Software Engineering*   Aug 2019 – May 2020
A rigorous online school for software engineers with a Mastery-Based Learning
pedagogy. launchschool.com/employers ⊡
- Achieved straight A's and A+'s in all rigorous assessments