

John Isom

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PROFESSIONAL EXPERIENCE

Co-Creator & Software Engineer

May 2020 – present

Maestro

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.

Read the case study here: <https://maestro-framework.github.io/> 📄

- 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 (<https://maestro-framework.github.io/> 📄).
- Pioneered a greenfield project in a niche space.
- Collaborated daily with a 100% remote team of engineers.

Full-Stack Developer

Jul 2019 – present

Self-Employed

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+)
- Ruby
- SQL
- HTML5 & CSS3
- Python

Frameworks

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

Cloud

- AWS Step Functions
- AWS Lambda
- AWS IAM
- Heroku

Other

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

EDUCATION

Launch School

Aug 2019 – May 2020

Software Engineering

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