

# John Isom

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## PROFESSIONAL EXPERIENCE

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### 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 6000% 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](https://maestro-framework.github.io)).
- Collaborated closely with 2 other remote engineers, adhering to Agile best practices.

### 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

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### 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 (advanced)
- HTTP & REST
- OOP
- Agile

## EDUCATION

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### Launch School, *Software Engineering*

Aug 2019 – May 2020

A rigorous online school for software engineers with a Mastery-Based Learning pedagogy. [launchschool.com/employers](https://launchschool.com/employers)

- Achieved straight A's and A+'s in all rigorous assessments

### Lone Peak High School, *General Education*

Aug 2017 – May 2019

- Graduated with 3.72 unweighted GPA in May 2019
- Test scores:
  - ACT: 35 composite (upper 99th percentile)
  - AP Physics C Mechanics: 5; AP Calculus BC: 5; AP Music Theory: 5; AP Chemistry: 4; AP Lang: 4

## ADDITIONAL EXPERIENCE AND AWARDS

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### Drum Major, *Lone Peak High School Marching Band*

Apr 2018 – Nov 2018

I served as the drum major, the highest level of student leadership, for the Lone Peak High School Marching Band, an award-winning group. Under my leadership, we pushed forward, undertook new and creative experiences, and won the title of state champion.

### Louis Armstrong Jazz Award

May 2019

Awarded to one high school senior “in recognition of outstanding achievements [...] superior musicianship, character, and individual creativity...”