

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 📄).
- 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 (advanced)
- HTTP & REST
- 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

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

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...”