John Isom *Software Engineer*

✉ john@johnisom.dev   ⚲ johnisom.dev   ⌨ johnisom

Professional Experience

Software Engineer, *Prime Trust* — Jan 2022 – present
https://primetrust.com/ ⧉

As of this writing (May 2022), at Prime Trust I've
- Integrated a complex system into a new ledger system with millions of transactions, historical data included, to help decrease costs by ~$70k per month.
- Improved business logic and leveraged SQL to save the company ~$50k per month.
- Researched and ran learning sessions for Docker & Docker Compose and Kafka.
- On the people side off things, I've onboarded and mentored a new teammate and
- Saw the need for and created a biweekly team social hour.

Software Development Engineer III, *GoDaddy / Re:amaze* — Nov 2020 – Jan 2022
https://reamaze.com/ ⧉ | https://godaddy.com/ ⧉
Re:amaze acquired by GoDaddy Spring 2021.

At Re:amaze by GoDaddy I've
- Taken a backend-centric role where I led the adoption of a new attachment backend in our Rails app.
- Managed and executed the seamless migration of 20 million file attachments with no downtime or performance issues using multi-threading.
- Created a new column in a database table with 118 million+ records and backfilled the values with minimal downtime.
- Spec'd out and built various APIs for integration with GoDaddy products.
- Took the lead in migrating a massive monolithic Rails app from Rails 5 → 6.
- Designed and added drop-in encryption for sensitive fields in our database with full backward compatibility and no downtime.
- Worked with Ruby, Rails, Postgres, Ubuntu Linux, Docker/K8S, AWS, and React on a daily basis.
- Collaborated daily witha 100% remote team of engineers.
- Discussed and scoped out high-level architecture for a new time-based delta API service.
- Incepted and created a testing library to streamline API testing (github.com/johnisom/shape_of ⧉)

Co-Creator & Software Engineer, *Maestro Framework* — Jun 2020 – Oct 2020
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.

Languages and Technologies

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

Frameworks
- Rails
- Sinatra
- React.js & Redux; jQuery
- Next.js
- Roda; Sequel

Cloud
- AWS Step Functions; Lambda; EC2; Aurora; EKS; SNS; S3; Athena
- Docker & Docker Compose; Kafka; RabbitMQ
- Linode; Heroku

Other
- Linux
- Git & GitHub; GitHub actions
- JIRA; Confluence
- Networking stack
- OOP
- Agile

Education

Western Governers University, *B.S. of Computer Science*   Apr 2021 – present

While working as a Software Engineer full-time, I'm completing Western Governers University coursework part-time to get a B.S. of Computer Science. More than 1/2 of credits completed and am in good academic standing

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
- 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.

Certificates

Triplebyte Generalist ⧉
Awarded to those who score in the top 10% of test takers on the Triplebyte generalist software engineering assessment.