



Matthew Sisserson

A full stack web application software engineer with 3 years of experience in customer success, focused on end-to-end application development.



Hiram, OH / Pittsburgh, PA
Born in New Zealand; raised on the Island of Palau



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LANGUAGES KNOWN

Backend: Node.js, Express.js, Python, Django, Ruby, Golang, SQL, PostgreSQL, RESTful APIs

Frontend: TypeScript, Next.js, React, Redux, HTML/CSS, Jest

Other: AWS, Docker, Git, Linux, Bash, Architecture, Infrastructure, Prototypes, Figma, Terraform, novice Japanese

SELECTED EXPERIENCE

Creator, Software Engineer | Otto | www.otto-etl.com | 2022 – Now

Created an open-source, web-based, automated ETL workflow manager capable of extracting 200K+ PostgreSQL database rows, transforming that data, and loading it at scheduled intervals.

- Led stand ups, sprint planning sessions, and weekly retrospectives for a four-person remote team.
- Containerized application using Docker which allowed installation without setting up databases and environment variables, achieving an 70% reduction in installation and configuration time.
- Generated a recursive workflow execution algorithm enabling parallel task executions and increasing workflow's max nodes from 5 to 30+.
- Built a drag-and-drop node-based user interface using React, React Flow, and Material UI that allows users to design workflows through creating, editing, and deleting nodes.
- Enabled users to join and transform extracted data by constructing a system for acquiring and executing arbitrary user code against multiple sources of data using Node.js VM and Code Mirror 6.

Software Engineer | Open Source | 2024 – Now

- Contributing to MLStacks, enhancing stack validation processes (Python, Terraform)

Software Engineer | Self-Employed | 2020 – Now

- Independently developing Evently: A SaaS event scheduler that collects customer data and sends customer notifications hosted on AWS (Next.js, React, Ruby on Rails, AWS, EC2, S3, IAM)
- Leading design on a professional platform that would organize and collect agreements, legal documents, messaging, and invoices for contractors and their subcontractors in preparation for tax season. (React, Ruby on Rails, PostgreSQL, AWS, EC2, IAM)

Laboratory Technician | Hiram College | 2015 – 2019

- Developed a custom filter holder and black box, which increased spectrophotometer effectiveness by 250% and saved the lab \$20,000 in equipment expenses.

Media Center Technician | Hiram College | 2017 – 2019

Resident Assistant | Hiram College | 2016 - 2018

Admission Office Clerk and Tour Guide | Hiram College | 2015 – 2017

EDUCATION

Launch School Core & Capstone Completion | 4.0 GPA | Aug. 2023

Hiram College | Bachelor of Arts in Biochemistry | 3.76 GPA | May 2019