

EXPERIENCE	<b>Composer</b> <i>Lead Backend Engineer</i> February 2021 - Present
	I use Clojure to build the backend of a next-gen automated investing tool that backtests, benchmarks, and executes strategies. I also strive to put the best of Agile & DevOps principles into practice to see my team succeed.
	<b>ION Geophysical</b> <i>Senior Software Engineer</i> <i>Software Engineer</i> June 2020 - February 2021 August 2017 - June 2020
	<b>DevOps &amp; Cloud</b> I used Ansible, Docker, and Python to automate repeatable test environments on-premises and in public clouds such as AWS.
	<b>Functional Programming &amp; Graphs</b> I designed an Erlang service to gather geophysical processing history from RabbitMQ & CouchDB in real time, and store it in a Neo4j graph database.  I created a ReactJS front-end to visualize and traverse those history graphs, revealing valuable cost-saving insights about wasteful processing patterns.  I spent a few weeks teaching another team of developers Erlang, and performed code reviews on their contributions.
EDUCATION	<b>The University of Texas at Austin</b> <i>Bachelor of Science &amp; Arts, Mathematics</i> <i>Minor, Chinese Language</i> <b>University Honors</b> Spring 2015, 2016, 2017, Fall 2015, 2016 August 2014 - May 2017 GPA: 3.7 GPA: 4.0
SIDE PROJECTS	<b>Showcase</b> A showcase of some of my side projects, and my personal blog. Written in Clojure with Ring & Compojure, deployed on Heroku. <b>robertm.io</b>
	<b>7GUIs – Spreadsheet WebApp</b> Seven example GUIs including a functional spreadsheet webapp. Written in ClojureScript & Reagent. Live demos are hosted on AWS S3 & CloudFront. Each GitHub repo links to its demo. <b>robertm.io/blog/seven-guis</b>
	<b>Roam Parser</b> A ClojureScript library for parsing & manipulating markup inspired by Roam research, with a webapp demo hosted on AWS S3 & CloudFront. <b>robertm.io/blog/parsing-roam</b>
TECHNICAL SKILLS	<b>Languages</b> Fluent: Clojure & ClojureScript, JavaScript, Erlang Proficient: Python, Java
	<b>Web Frameworks</b> Fluent: Reagent, React Proficient: Re-Frame, Express, Node