

EXPERIENCE	<b>ION Geophysical</b> <i>Senior Software Engineer</i> <i>Software Engineer</i>	June 2020 - Present August 2017 - June 2020
	<b>DevOps &amp; Cloud</b> I apply Agile & DevOps principles to coordinate with other teams, improve our flow of work, and share knowledge. 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 created a ReactJS webapp to visualize and traverse geophysical processing history graphs, revealing valuable cost-saving insights about wasteful processing patterns.  I designed & implemented an Erlang service to gather history from both RabbitMQ & CouchDB in real time, and store it in a Neo4j graph database.	
	<b>Sharing Knowledge</b> I also designed an Erlang service to manage expiration dates for dataset files on disk based on complex parameters, enabling cost-saving disk usage quotas.  I taught another team of developers Erlang so they could join the project, and I perform code reviews of their contributions.	
	<b>EDUCATION</b>	
	<b>The University of Texas at Austin</b> , Austin, TX <i>Bachelor of Science &amp; Arts</i> , Mathematics <i>Minor</i> , Chinese Language <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>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.	robertm.io
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  <b>Cloud &amp; DevOps</b> Ansible, AWS, Docker, Kubernetes, Jenkins, Git	