

Zac Klammer

🐙 [zklamm.github.io](https://github.com/zklamm) ✉ zklamm@gmail.com 📍 Corpus Christi, TX

SUMMARY

I'm an experienced software engineer comfortable with back end, front end, or managing cloud services (AWS). I recently created Maestro, an open source framework for serverless orchestration. Prior to working in software, I was a mechanical engineer working in the energy industry.

PROFESSIONAL EXPERIENCE

Co-founder & Software Engineer, *Maestro* [🔗](#) Jun 2020 – present

An open source framework for rapidly deploying and iterating on serverless workflows using AWS Step Functions, AWS Lambda, and AWS IAM

- Built easy-to-use CLI that abstracts away complex deployment logic, downloadable as an NPM package
- Optimized speed of workflow deployment and teardown by leveraging AWS SDKs and designing Maestro to execute commands asynchronously
- Created common templates for AWS Step Functions with the declarative, JSON-based Amazon States Language
- Wrote custom retry/backoff logic to ensure Lambda functions and state machines were created with proper roles
- Co-authored technical 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 [🔗](#)
- Adhered to Agile best practices to develop the framework with two other remote engineers

Software Engineer, *Baytek International* Jan 2019 – Feb 2020

- Built Microsoft Word plug-in for creating product analysis templates using Visual Studio Tools for Office
- Restructured user roles of company's core software offering to provide more granular permissions
- Assisted with integration of third party gas chromatograph software

Full Stack Web Developer, *Self-Employed* Aug 2017 – present

Built several open source projects using technologies such as React, Redux, Rails, PostgreSQL, HTML, and CSS

- Reaction: A Trello-like application built with a React and Redux front end and Ruby on Rails back end
- Postit: A Reddit-like application built with Rails and PostgreSQL deployed to Heroku
- Airline Routes: An application that allows users to view and filter airline routes on a clickable SVG map

Project Manager & Mechanical Engineer, *Southcross Energy* Mar 2014 – Aug 2017

- Managed multi-million dollar projects from initiation to completion

TECHNOLOGIES

Back End

- *Node.js*
- *Ruby*
- *Rails*
- *Sinatra*
- *C#*
- *SQL*

Front End

- *JavaScript (ES5 & ES6+)*
- *React/Redux*
- *jQuery*
- *Handlebars.js*
- *HTML/CSS*

Cloud

- *AWS Step Functions*
- *AWS Lambda*
- *AWS IAM*
- *Heroku*

Other

- *HTTP*
- *REST*
- *OOP*
- *Git/GitHub*

EDUCATION

Software Engineering, *Launch School* [🔗](#) 2017 – 2020 | Remote

An online school that teaches software fundamentals with a Mastery-Based Learning pedagogy
launchschool.com/employers [🔗](#)

Bachelor of Science - Mechanical Engineering, *Texas A&M University* 2008 – 2013 | College Station, TX

ORGANIZATIONS

Agape Ranch, *Respite Care Provider* 2018 – present

Trained and certified to provide temporary childcare for foster children