

Zac Klammer

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SUMMARY

I'm an experienced software engineer comfortable with backend, frontend, 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