Zac Klammer

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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 ↗
- Collaborated daily with a 100% remote team

Software Engineer, *Baytek International*   Jan 2019 – Feb 2020
- Built Microsoft Word plugin 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 chromatography 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 app built with a React and Redux front end and Ruby on Rails back end
- Postit: A Reddit-like app built with Rails and PostgreSQL deployed to Heroku
- Airline Routes: An app built with React 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	Front End	Cloud	Other
• *Node.js*	• *JavaScript (ES5 & ES6+)*	• *AWS Step Functions*	• *HTTP*
• *Ruby*	• *React/Redux*	• *AWS Lambda*	• *REST*
• *Rails*	• *jQuery*	• *AWS IAM*	• *OOP*
• *Sinatra*	• *Handlebars.js*	• *Heroku*	• *Git/GitHub*
• *C#*	• *HTML/CSS*		
• *SQL*			

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