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 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