Zac Klammer

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SUMMARY

I'm an experienced software engineer looking for my next opportunity in a remote role. 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

- Conducted extensive research in the area of serverless orchestration to justify the need for Maestro
- Adhered to Agile best practices to develop the framework with two other remote engineers
- 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
- 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 ⧉

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

- Worked on a team of twelve engineers to develop and maintain industry leading Laboratory Information Management System
- 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
- Regularly debugged issues and provided quality assurance testing

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 which allows authenticated users to create, comment, upvote or downvote posts
- 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	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