

# Joshua Lindsay *Software Engineer*

✉ joshwlindsay@gmail.com 📧 joshuawlindsay.dev 🌐 GitHub in LinkedIn 📍 Austin, TX

## Profile

I am a full-stack software engineer specializing in JavaScript, am proficient in TypeScript and Go, and am an AWS Certified Cloud Practitioner. From training and managing employees, teaching math to at-risk students, and parenting kids in foster care, I love solving problems with and for people. I co-created **Mayfly** 📄, an open-source tool for hosting dedicated user sessions in the browser.

## Professional Experience

**Software Engineer, Creator, Mayfly** 2023 – 2024

Mayfly 📄 is an open-source tool for hosting high-compute, collaborative, and stateful apps as dedicated user sessions in the browser.

- Developed a multi-tier architecture for the automated deployment of session backends, provisioning dedicated user sessions (**Docker, Docker Compose, AWS EC2**)
- Built a developer dashboard for observing live user sessions and reviewing past sessions
- Automated infrastructure provisioning of Mayfly for integration into AWS (**Packer, Terraform**)
- Authored an in-depth **case study** 📄 that provides a comprehensive analysis of Mayfly's problem domain, use case, and engineering decisions and tradeoffs
- Collaborated remotely with an international team of four engineers across three time zones, including daily stand-ups, pair programming, and code reviews

**Software Engineer, Self-Employed** 2022 – 2024

Developed open-source applications including:

- Hook 'em Requests: A Request Bin clone for collecting and debugging HTTP or webhook requests (**AWS Lightsail, Nginx, PostgreSQL, MongoDB, Node.js, Express, React**)
- Holy Conferences Forum: A small groups forum for reflecting on and discussing Sunday sermons (**PostgreSQL, Node.js, Express, Pug**)

**Math Teacher,** 2019 – 2022

*Frank M Tejada Academy, Canyon Vista Middle School*

**Client Services Coordinator,** 2012 – 2019

*Element Materials Technology*

## Skills

### Languages

JavaScript (ES6+),  
TypeScript, Go, SQL,  
HTML/CSS, Pug,  
Handlebars

### Runtimes, Libraries, Frameworks

Node.js, Express,  
React, jQuery, Tailwind  
CSS

### Tools & Databases

Git, GitHub,  
PostgreSQL, MongoDB,  
GraphQL, Bash, Zsh,  
Docker

### Cloud

AWS Certified Cloud  
Practitioner, Packer,  
Terraform, Nginx,  
Postman

## Education

**Capstone Program, Launch School** 📄 2022 – 2023

Multi-year, mastery-based software engineering curriculum.

**Bachelor of Arts (Business Administration),** 2007 – 2010

*California State University, Fullerton*