




Joshua Lindsay *Software Engineer*

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Profile

I am a full-stack software engineer with a love for **JavaScript**, **Python**, and **AWS**. From teaching math to at-risk students to 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 Developer, Indie Energy  2024 – present

- Built **Vue** dashboards with dynamic data integrations based on a client's site devices and energy market
- Developed a staged loading button with **JavaScript generators** for improved user experience
- Configured **Modbus servers**, handling multiple devices and nested data with loops and **recursion**
- Tested config files by proxying data from **AWS IoT** over **MQTT** written to the Modbus Server, then read from the Modbus Server to verify data integrity

Software Engineer, Creator, Mayfly  2023 – 2024

Mayfly is an open-source tool for hosting stateful apps as dedicated user sessions in the browser.

- Developed the automated deployment of session backends (**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 our problem domain

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, Python,
Go, DeviceScript

Front-end

React, Next.js, Vue,
Tailwind CSS,
HTML/CSS

Back-end

Node.js, Express, SQL,
Postgres, NoSQL,
MongoDB

Cloud/DevOps

AWS Certified Cloud
Practitioner, Docker,
Terraform, Git, GitHub

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