Maddi Laizure
Full Stack Software Engineer

📱 (918)-850-3996
✉ maddi.laizure@gmail.com
📍 Remote

🐙 github.com/mlaizure
💼 linkedin.com/in/maddi-laizure
🔖 mlaizure.github.io

Technologies

Languages: TypeScript, JavaScript (Node.js), Python, HTML, (S)CSS, C, Bash

Web Frameworks: Express, Flask

Data: MySQL, Redis, MongoDB

Front End: React, Bootstrap, jQuery

OS & Tools: Linux, Git, GitHub, Emacs

Cloud: Kubernetes, GCP

Education

Certificate in Software Engineering with Web Development Specialization

Holberton School | September 2020 - April 2022

- Project-based curriculum providing practical, industry-relevant experience

B.S. Chemical Engineering

University of Tulsa | August 2009 - May 2013

- GPA: 3.85

Experience

Full Stack Software Developer

DERNetSoft | December 2022 - October 2023

- Worked full stack with MongoDB, Express, React, and Node.js
  - Microservices architecture deployed on Kubernetes and GCP
- Created dynamic visualizations for energy usage and savings in React using Ant Design and BizCharts
- Generated downloadable CSV exports corresponding to chart data on demand
- Persisted report parameters and created sharing links that would regenerate report when accessed
- Added CRUD functionality for backend entities using Mongoose, Express, and TypeScript
- Fixed bugs throughout the stack including various state management issues from Redux

---

Projects

Dragonfly | github.com/mlaizure/dragonfly | github.com/mlaizure/dragonfly-github-app

Command Line App: *Python, GitPython, Matplotlib*

GitHub Web App: *React, CSS, Flask, PyGithub, Matplotlib, Heroku*

- Source code analysis tool for assessing software maturity
- Reviews Git or GitHub history and highlights areas of code by frequency of errors
- Incorporates multiple output formats including graphical

AirBnB Clone | github.com/mlaizure/AirBnB_clone_v4

Python, JavaScript, HTML, CSS, Flask, MySQL

- Full stack deployment with REST API for client side communication
- Data abstraction layer for swappable data backends and rapid prototyping
- Used focused pair programming sessions to iterate through multiple structured stages of development, coordinating with different peers at each stage

Simple Shell | github.com/blanketmanatee/simple_shell

C, Linux, Valgrind, troff

- Basic interpreter for executing built-ins and system programs
- Dynamic memory management leak checked with Valgrind
- Issue system signals triggered by keyboard shortcuts
- Wrote man page using troff format