

MARK KLOCEK

Software Engineer

SUMMARY

Creative and detail-oriented software engineer with strong problem-solving and communication skills. Experienced in building responsive front and back end web applications using Python and JavaScript. Comfortable working independently or in agile, collaborative environments. Passionate about continuous learning, modern development practices, and delivering scalable, impactful solutions.

WORK EXPERIENCE

Freelance Software Engineer

June 2023 — Present

- Collaborated with clients and designers to develop modern, responsive software solutions using best practice
- Built semantically structured, maintainable front end and back end applications
- Contributed to iterative development cycles, incorporated regular feedback and feature enhancements

Recent Projects:

PetroTact Solutions – A standalone app developed for Owens Coastal Consultants using a design thinking approach to support on-the-ground petroleum spill responders. Focused on usability and real-world workflows, the app enables users to input conditions (substrate type, oil type, etc.) and receive optimal cleanup tactics. It presents treatment options, volumetric waste data, and completion targets in a clear, actionable interface tailored for field use.

NASA API Search Tool – Responsive web app that fetches and displays NASA imagery based on user input. Built with HTML, CSS, and JavaScript using hypothesis-driven development to test and refine interface usability.

100Devs Calculator App – Built a fully functional calculator from a forked repository as part of a collaborative open-source project. Followed a GitHub workflow involving forking, cloning, local development, and issuing a pull request. Practiced version control, clean code structure, and iterative improvement, reflecting principles of social coding and hypothesis-driven development.

The Lead List – Backend system built for W&M Leads to collect, filter, and structure client opportunity data from multiple sources. Developed in Python with asynchronous task handling and custom logic to organize and deliver actionable lead sets.

Rideshare Driver & Personal Development

April 2019 — June 2023

Drove for rideshare companies Uber & Lyft throughout pandemic while focusing on personal growth and transitioning into tech. Used down time to self-teach programming skills, attend El Camino College, and begin early coding projects.

Gaming Supervisor – ACME Player Services, Hawaiian Gardens, CA

2014 — March 2019

Worked in a high-intensity casino environment overseeing 50 associates and leading a team of 5 junior supervisors. Collaborated directly with ownership to design an efficiency system that reduced table slowdowns and improved floor operations, resulting in substantial profit margins during busy hours.

CONTACT

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Markklocek.com

<https://github.com/Mark-K>

<https://www.linkedin.com/klocek/>

SKILLS

HTML

CSS

Javascript

Python

Flet

PostgreSQL

OOP

Web Accessibility

API Integration

Agile Principles

Git & GitHub

Design Thinking

EDUCATION

El Camino College

2020- 2022

Major: Computer Science