

Curriculum Vitae - Roerick Sweeney
1641 29th St. Cody, WY 82414
sweeney@roerick.me
307.578.6590

Lead Developer - wyo.town tech consultancy (2013-present)

Professional Summary

Experienced full stack developer / part-time CTO with two decades of diverse experience making things and cutting waste. Primarily a solo developer, but accustomed to integrating into teams or recruiting talent as necessary. Started building websites for clients at age 13, clients in real estate, agriculture, politics, healthcare, education, non-profits, writing, hospitality, dance, and many other industries. Proven expertise using modern tools to build data pipelines, complex web applications, and client work. Experience with many tech stacks, focus in Django web development and Geospatial Data Analysis.

Major Projects Timeline

No Spot Left Behind - Business Advisor

January 2023-December 2024

- Worked as consultant and advisor for janitorial services in Cody, WY
- Company experienced 500% revenue growth in a year, grew from 2 to 15 employees
- Developed sales pipeline, built online presence
- Provided management consulting, brand consulting, tech infrastructure, systems development

Taylor Dental - IT Manager

November 2023 - December 2024

- Manage client relationships, organize and develop systems to streamline front desk processes
- Manage vendor relationships, negotiate contracts, restructure IT integrations
- Redesigned network architecture, ensured technical HIPAA compliance
- Audit patient invoices, track insurance payments, reconcile and balance client accounts

Surus Illinois - CTO / Tech Lead

January 2022 – February 2024

- Led the Surus Solutions team, developed analytics initiatives, worked on the ground with clients, scoped out and built BI platforms and analysis for clients and entire organization
- Worked on the ground with clients to build a comprehensive voter mobilization software solution, built complex interactive apps in PowerBI
- Built a web integrations platform using Django and htmx to integrate Databricks data engine with the Nationbuilder API, effectively managing datasets for a base of 50+ clients, built pipelines on Azure / Databricks

- Developed a custom BI solution using Django, htmx and plotly to handle more complex interactions

Libertyville Coffee Company - FLAVORNATOR 9000

January 2023 – August 2023

- Built a prototype robotic shelf which automatically dispensed flavor compound by scanning a barcode
- Enhanced a whitelabeling system to optimize commercial process
- Used Raspberry Pi and ESP32s to design and build 80 motorized peristaltic flavor dispensers, 10 control units, and one master command and control unit
- Barcode scanning system looked up ingredients using a SQLite database, sent recipe commands over MQTT protocol on a localized wireless network, used C++ for integrated systems

Crypto Publishing Project - Self Funded

January 2023 – August 2023

- Hired W Strategies to build a Web 3.0 Publishing platform
- Built a WordPress plugin to publish from CMS directly to BSV blockchain
- Built a one-page Svelte app which read from the mempool/transaction API to show posts
- Entire Svelte app was self contained and could be embedded entirely in a BitCoin transaction, delivering completely server-free hosting

W Strategies for Illinois Chamber of Commerce - Mapping Tool

2021-2022

- Built a branded web platform for Illinois Chamber of Commerce allowing users to upload CSVs or Excel spreadsheets to create choropleth or heatmaps
- Custom mapping app built in geodjango and LeafletJS

Spare Key (Tech Lead / CTO)

2020

- Maintained the Help Me Bounce 2.0 platform
- Worked with existing Drupal development team to prioritize and develop features
- Simplified and streamlined application process to help drive growth and increase the number of applications

Cohen Esrey Real Estate - LITEC Mapping Project

2018 – 2019

- Integrated various scoring mechanisms based on geographic location, including data from county level, school board level, and other geographic boundaries. Scored locations based on proximity to POIs and displayed the results on an interactive map.
- Utilized QGIS, LeafletJS, GRASS, and GDAL to deliver a comprehensive solution.
- CE was awarded four 8-figure LITEC awards through the use of this software

Bozeman Imaging Group for Taylor Farms - Biohazard Awareness SCADA Platform

2017 – 2018

- Built a PDF parser to geocode E. coli data from various vendors, displaying it on an interactive map using Ignition SCADA with mapping plugins.
- Developed a custom latitude and longitude parser to integrate the mapping tool with the database tool.
- Implemented a production-ready BI/SCADA alerting and monitoring system, parsing 10,000 test results a month and geocoding and mapping them

Spare Key - Help Me Bounce

2016 – 2017

- Developed a crowdfunding and blogging platform similar to GoFundMe, built in Django integrated it with Spare Key's CRM and backend databases.
- Designed custom forms for social workers and applicants, migrating Spare Key's entire business processes to the HelpMeBounce platform

Alexandria P2P

2014 – 2015

- Built the first IPFS pinbot in python to auto-pin binary blobs
- Developed devops architecture with Digital Ocean to manage IPFS pinning infrastructure for a decentralized YouTube built on Florincoin blockchain

Spare Key (Director of Cryptocurrency Development)

2014 – 2015

- Developed and managed the Doge4Housing fundraising program
- Built a Dogecoin donation platform in PHP which integrated with block.io
- Raised a lot of Dogecoin for terminally ill or critically injured children

Skills

- **Programming Languages:** SQL, Python, elisp, Bash, JavaScript, Ruby, Go, CSS, HTML
- **Technologies:** Django, GeoDjango, Linux, Bash, htmx, Blockchain, Databricks, WordPress, PostgreSQL, DuckDB, Javascript, React, MariaDB, Rails, Ignition SCADA, QGIS, LeafletJS, GRASS, GDAL, Azure, Google Cloud, AWS, Apache, Nginx, ^{Drupal}
- **Professional Skills:** Geospatial Analysis, Web Development, Data Engineering, Project Management
- **Website Development:** WordPress, Gatsby, Webflow, HTML, Social Media
- **Other:** Comedy, Video Production, Music Production, Performance Arts

Education

Bachelor of Arts in Liberal Studies, Minor in Hispanic Studies

Montana State University

Graduated: 2013