

Marcia Cripps

Software Engineer

SUMMARY

Creative, detail-oriented, software engineer with a deep interest in AI. Proven track record of creating and implementing successful front-end web applications and back-end scripts. Looking to bring my previous project management, sales, and programming skills to a tech company.

WORK EXPERIENCE

EDI Integrations Developer at OptiMed Health Partners | Kalamazoo, MI

Nov. 2022 — Present

Developed customized programs using multiple databases, languages, communications standards, record types, and file formats. Proficient in Python, PostgreSQL, MS SQL, Django, SFTP, FTPS, ETL, pandas, SQL Alchemy, Powershell, and other relevant programming tools and languages.

Experienced in analyzing and understanding implementation guidelines and specifications for HIPAA X12 Healthcare transactions for claims, invoices, and eligibility. Strong project management skills with a demonstrated ability to plan and drive results. Collaborative and creative thinker, able to work effectively across departments and find innovative solutions to problems.

“Eligibility Script”– Created a custom python script that automates the eligibility process for patients and works with large datasets and moves files from SFTP server and complies with HIPAA

Other Projects: Powershell SFTP File Mover, New Client Directories, Audit Suite, and Bitwise integrations, Weekly SQL lunch/learn coaching, Mentoring newer developers

Awards: Above and Beyond Award for these projects

Software Engineer Freelance at Agfluence LLC. | Vicksburg, MI

Feb. 2020 — Oct. 2022

Collaborated with multiple teams of developers at agtech start-ups to build modern and responsive web applications using best practices. Built semantically structured full stack web applications. Created customized scripts, automations, and campaigns.

Market Dashboard MVP – Created a Market Dashboard MVP and collaborated with a group of developers to build a responsive web application for farmers comparing land prices **Other Projects:** Data scraping tools, Static & Responsive Websites, Hop Growers of MI webpage, Monday CRM/Operations applications, Invoice Auditor, Shopify HTML Enhancer and many more using AWS and Azure and Supabase

Agronomy Operations Manager at Lennard Ag. Company | Howe, IN

Feb. 2021 — Nov. 2022

Created and developed FastFields forms for scouting and farm record keeping using JavaScript. Directed Agronomy tasks and other Lab QC's to ensure accurate assessments. Managed a team of 5-7 interns/seasonal scouts for data collection on pests, diseases, and plant health. Responsible for purchasing, procuring, buying, and inventory of chemicals, fertilizers, and farm equipment. Created and developed SOPs for research trial work and Global GAP responsibilities. Managed 10,000+ acres.

Variety Trial Project: Oversaw the ordering, planning, planting, and collaborated with Michigan State University to test new potato varieties for Frito-Lay.

Sales Representative/Soil Consultant at Holloway Agriculture | Visalia, CA

Feb. 2019 — Nov. 2020

Created and maintained a responsive WordPress website for current customer's soil education using HTML, CSS, and JavaScript. Designed an "Agronomy Journal" app of soil maps, variable rate applications, logs, and plans for clients. Utilized Salesforce to document and track sales goals.

HONORS & ACTIVITIES

Michigan Farm Bureau/American Farm Bureau Member, Adjunct Entomology Professor Michigan State University, STEM and Japanese Tutor, 4-H Volunteer

CONTACT

marciacripps@gmail.com

[My Portfolio](#)

github.com/marciacripps

linkedin.com/in/marciacripps

SKILLS

HTML/CSS/
JavaScript

Python

PostgreSQL

MongoDB, Atlas

OOP

Web Accessibility

Git

Pandas/Numpy/Sql
Alchemy/Plotly

Django/Flask/Vue

React.js

Web scraping,
Selenium, Playwright

ETL

SFTP

Powershell

Supabase, Vercel,
Render

MS Office/Google
Suite/Slack/Discord

AWS/Azure

EDUCATION

AUBURN UNIVERSITY

Masters Crop & Soil
Science

MICHIGAN STATE UNIVERSITY

Bachelors
Agribusiness
Management