

Relevant Work Experience

Software Developer

Automated Business Solutions - Warwick, RI

Apr. 2023 - Current

- Developed full-stack applications using JavaScript, HTML, and CSS to automate business processes and improve user experience.
- Worked with users to design new databases and internal management systems, improving accuracy in employee records, speed in employee onboarding, and efficiency in employee operations.
- Created authentication systems with PHP and SQL, implementing login scripts and managing databases for various projects.
- Designed and managed relational databases using SQL, creating efficient schemas and implementing data integrity constraints for multiple clients.
- Built internal tools using Electron and JavaScript, streamlining operations and improving efficiency within the organization.

Legal Application Developer

Denelle Law - East Providence, RI

Feb. 2021 - Oct. 2022

- Streamlined the document management process with a new system, reducing document processing time by 65%.
- Designed and implemented case management automation software that reduced administrative time by 50% and improved accuracy.
- Collaborated with attorneys and support staff to identify areas where technology could be used to improve workflow and implemented software solutions to increase efficiency.

Programming Intern

Collegiate Tutoring - Oxford, MS

Fall 2019

- Analyzed and evaluated existing task workflows, organization systems, and time tracking systems to identify opportunities for improvement and optimization.
- Utilized various tools to develop an efficient system for organizing tutor information, assigning weekly tasks and requests, and tracking progress.
- Demonstrated strong problem-solving skills and attention to detail in identifying and resolving issues and bugs.

Projects

Internal Employee Management System - ABS

- Previously, employee data was stored in spreadsheets and multiple unrelated SQL databases. This led to inaccuracies in retained data, inefficiencies in onboarding and overall disorganization.
- Used SQL to create one normalized database to store information about employees, assigned devices, assigned phone numbers, and PTO data.
- Used Javascript, HTML/CSS, and Laserfiche to create a portal for HR to create new employees and manage existing employees.
- Used PHP and EmailJS to create a secure MFA login system where employees could access their information securely and submit requests to HR.

Service Management System - Non-Profit Client

- Previously, service-recipients were not tracked and data was not recorded beyond how many individuals received a service in a location. Volunteers provided rough estimates of their time and state-required demographic data was routinely estimated.

- Used SQL to set up a normalized database that held volunteer and service recipient information as well as services provided.
- Used Javascript, HTML/CSS, and PHP to create a login system for recipients to access their data and submit requests for assistance.
- Used Laserfiche Workflows to run queries and email scheduled reports on demographic data to CEO
- Used Javascript and HTML/CSS to create a sign-up system where new service recipients submitted demographic data and were assigned member IDs based on their original geographic locations.
- Because primary users were mostly seniors (ages 80+), opted for a barcode that could be scanned to receive in-person services instead of a traditional username/password system.

Technical Skills

- Languages: Ruby, Javascript, Python, HTML/CSS, SQL
- Frameworks: JQuery (Javascript), Node.js (Javascript), Django (Python), Glimmer (Ruby), Electron (Javascript)
- Tools: Git, MS SQL Server, SQLite3

Education

Oxford, MS

University of Mississippi
B.A. in English and Liberal Studies (2020)

GPA: 3.5

- Minors: Film, Entrepreneurship
- Member of the Sally's Barksdale Honors College (2018 - 2020)
- Recipient of the Sunny Sue Haik Award for Entrepreneurship (2019)