Craig M. Sirota

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Technical Skills & Languages

Javascript, React, Java, Python, Ruby, Rails, Flask, HTML, CSS, SQL, CCL, XML, Maven, NPM, Git, Jira, Accessibility (WCAG 2.1), Jenkins, Docker, Android Studio, AWS EC2, AWS RDS, Linux, Windows, MacOS

WORK EXPERIENCE

Software Engineer:
Oracle Corporation (formerly Cerner Corporation) - (July 2020-Present)
Freelance - (Sept 2023 - Present)

EDUCATION

Rutgers University - New Brunswick, NJ - B.S. Computer Science - **2020**
IBM Full Stack Software Developer Professional Certificate - Coursera - **2023 - Present**

PROJECTS

Revenue Cycle Management - Oracle Corporation - (Oct. 2020-Present)
An application designed to simplify the registration, scheduling, and billing of patients within medical networks

Scheduling Engines Rails 6.1 Upgrade - Rails - (Sept. 2023-Present)
- Upgraded 24 Rails projects from Rails 5.2 to Rails 6.1.7.3 to satisfy CVE-2023-23913 for federal clients

Appointment Type Location Filter By Resources - Java/SQL - (March 2023-July 2023)
- Modified Java-based REST api endpoint that retrieves Appointment Type Locations to include a new filter parameter.
- Updated JDBC to accept the filter from the REST layer and updated the SQL query with that parameter.

Add Appointment Plus Accessibility Uplift - React/Java - (April 2022-March 2023)
- Led the accessibility uplift of a complex workflow to meet the WCAG 2.1 standard, ensuring compliance and usability for users with disabilities
- Conducted in depth reviews of all HTML and React components to ensure modern accessibility standards were met

Screen Reader Not Reading From Embedded Browser Investigation - (Oct. 2022-Jan. 2023)
- Investigated and resolved an issue with screen reader accessibility in the Add Appointment Plus project, documented findings, and recommended solutions to UX and regulatory personnel

Location Based Scheduling - CCL - (April 2022-May 2022)
- Resolved a bug in the scheduling system that caused appointments to be scheduled for the wrong date in certain timezones, improving scheduling accuracy and user experience

Location Description Enter Information - Java/SWT/SQL - (Jan. 2022-March 2022)
- Modified Java-based REST api endpoint that retrieves Locations to include a new parameter to add a toggle for whether locations should be searched by location name or description
- Added logic to JDBC layer to query based on which type of location string was provided
- Added toggle control to SWT admin tool to set which string locations should be searched by

Kiosk Profiles Admin Build Tool Uplift - React/Ruby on Rails - (July 2021-Dec. 2021)
- Upgraded a Rails-based UI to a React-based UI using a Rails Engine, improving performance and usability for administrators

Healing The Vote - Freelance - React Native/Flask/MySQL - (Sept. 2023-Present)
A mobile app designed to gamify the effort of voter registration, to increase voter turnout.
- Created a Flask-based REST API to communicate with a MySQL DB to handle user registration and user statistics
- Designed and implemented a React Native front end to provide users with an intuitive experience

Automated Live Virtual Assistant Network (A.L.V.A.N.) - Personal Project - (Feb. 2020-May 2023)
A custom home automation/virtual assistant network similar to a Google Home or Amazon Alexa, utilizing a custom linear regression machine learning algorithm to determine the proper response to user queries.

ALVAN HUB UI - React/Java (Android)
- A React-based UI, wrapped in an Android app to be run on a tablet as a standalone app, using the JS SpeechRecognizer library to parse voice commands from user
- Displayed reminders, weather forecasts, and security camera feeds

ALVAN API - Python (Flask)/MySQL
- Flask API for all service calls from the UI and interfaces with MySQL database to store all data for the system
- Wrote custom linear regression algorithm to determine which command the user is trying to trigger, based on their query

AWARDS

RCM (Revenue Cycle Management) Champion Award - Q2 2022
Recognition of outstanding contribution to the success of Cerner Revenue Cycle