Ryan Crispin

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Skills

Python · Go · C++ · C# · .NET · Java · JavaScript · TypeScript · Node.JS · Git · JIRA · Vue · React · Svelte · Jest · Vitest · Tailwind · Bootstrap · MongoDB · SQL · Springboot · Adobe Illustrator · Figma

Experience

Software Developer   04/2021 - Present

BrightStar Engineering   Troy, MI

- Improved quality by creating a Adobe CEP extension that removes human points of failure.
- Reduced time to production by ~1 week for other departments by building a site to display data in a user friendly way using Vue and Firebase.
- Rapidly developed new features based on different internal department needs.
- Reduced time to reprocess 1000's data point and improve quality through automation by coordinating work between multiple departments.
- Designed a status system that reduced reliance on external tools like google sheets.

Education

BS of Science in Computer Science   2015

Baker College of Clinton Township, MI

Honors: 3.35 GPA · Dean's list 2014, 2015 · President's list 2014

Courses: Adv Java · Adv C++ · Adv web development · Adv Visual Basic · Adv computer architecture · Data structure I & II · Mobile development · Network essentials · Web server admin · Database admin · Database programming · Systems development project

Projects (personal site)

Internal data tool
- Displays JSON data as a table and allows users to filter relevant data and highlights it.
- Searchable terms are added as query params to allow you to navigate between searches.
- Allows admin users to upload CSVs and convert them to JSON with a watcher cloud function.
- Utilized: **Vue, Vue Router, Firebase, Firebase Auth, Firestore, Firebase hosting**

Internal Adobe CEP extension
- Developed an Adobe CC extension that parses a CSV file, lists relevant data as checkboxes and selected data is drawn on a canvas with the correct font, size, color and grouping.
- Utilized: **JavaScript, Adobe CEP, Adobe Extendscript, Adobe Illustrator**

Exhaust sounds app
- Developed an app that allows users to listen, upload or download their favorite car exhaust sounds. Amazon S3 API stores audio and image files, MongoDB stores document data.
- Developed a reporting system to hide non-exhaust sound data from users.
- Utilized: **Vue, Tailwind, Node.JS, Express, MongoDB, Amazon S3, WavesurferJS**

Sports Arena mapping
- Python script that scrapes Wikipedia of the 4 major US sports arenas information. Coordinates are fetched from Google geocoding API.
- Coordinates are parsed and plotted with Mapbox points that are clickable for more information about each arena.
- Utilized: **JavaScript, Python, Node.JS, ExpressJS, Mapbox, JQuery, Lodash**