

Aaron Tibben

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SUMMARY

Software developer with 2+ years of professional experience delivering high quality solutions. Experienced in frontend and backend development.

SKILLS

Languages/Frameworks: C#, .Net, Entity Framework, React, Angular, Javascript, Typescript, HTML, CSS

Version Control: GIT, SVN

Database: SQL, MS SQL Server, TSQLT

Operating Systems: Linux

WORK EXPERIENCE

Ross Video - Manufacturing

Iroquois, ON

Programmer Analyst (Dept. Operational Technology)

Nov 2023 – Present

- Moved a legacy ETL pipeline from C# to SQL server. Added correct data types, improved data accuracy and latency
- Collaborated with stakeholders to update current applications from a new vendor by incorporating SQL queries into ETL pipeline for our data warehouse, transferred data between the legacy and new system, expanded C# .net REST API endpoints for Angular applications
- Created Grafana dashboards for business reports and analytic information utilizing SQL, HTML, CSS, and JavaScript
- Developed the frontend portion of a form Content Management System (CMS) using Angular, RxJS, and Jasmine. This reduced the need for developers and empowered non technical groups within manufacturing to create their own simple CRUD applications

Manufacturing Systems Specialist (Dept. Operational Technology)

Dec 2022 – Nov 2023

- Refactored C# file saver utility to facilitate batch insertions of text files into SQL records. removed table locking, optimized stream reader for unnecessary data reads, and normalized data from first to second normal form
- Removed Angular technical debt by implementing various design patterns to improve long term code base such as dependency injection and strategy
- Published an internal NPM Angular form library on GitLab. Compatible with both template and reactive forms which reduced developer debugging and development time by simplifying complex form logic
- Developed TypeScript interfaces and types to align with the incoming JSON data from an internal REST API. This implementation of stricter typing enhanced the accuracy of the language server, minimizing application bugs
- Diagnosed and resolved TCP/IP network issues and obscure software errors software systems

PROJECT

SMT Calc

2021-2022

Software designed for the management of moisture-sensitive surface mount device (SMD) components, which calculates exposure and recovery times in accordance with IPC/JEDEC J-STD-033 and JEDEC-020 standards.

- Created a RESTful API with Express and Node.js on the backend, utilizing Postgres for database management, and used React for the client side, adhering to the principles of the client-server architecture
- Executes SQL queries to conduct audits and produce reports based on various pagination and search box parameters
- Used JavaScript to enable input fields to initiate workflow operations or transition to the subsequent field upon scanning an industrial label with a handheld scanner, thereby minimizing the necessity for manual data entry
- Utilized the Ant Design React UI library to visually present the real-time status and timing of the SMD components

EDUCATION

Seaway District High School

Iroquois, ON

Secondary Education Diploma

Graduated June 2019

Awards: Introduction to Computers (2017), Computer Science (2018), Computer Science (2019)