**DEREK R. DRILL**

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**PROFESSIONAL EXPERIENCE**

*IMPLAN - Huntersville, NC* **February 2021 - Present**

**Web/BI Developer**

Works on a development team that is responsible for building, enhancing and maintaining the IMPLAN App, a web application that reports economic data and impacts across regions. The primary role of this specific position is to develop the many data visualizations and dashboards that are embedded throughout the app. The business intelligence tool used to develop these is Looker, a Google BI product. Oftentimes, it is necessary to work with the front-end team to ensure the dashboards are appropriately embedded into the application, so being capable of working with and understanding front-end development is imperative, specifically within the React JS framework. The overall technologies/skills utilized within this role include:

* Looker, specifically, designing visualizations and dashboards within the LookML framework
* Writing SQL to the Redshift database
* HTML within Looker to create custom data visualizations
* Understanding of embedding the dashboards/visualizations in the React JS app
* Utilization of Git and Bitbucket to effectively commit and deploy code changes from sprint to sprint

*SOFTDOCS, INC.* *- Columbia, SC* **May 2019 - February 2021**

**Business Solutions Consultant**

Works with educational institutions to assist them in analyzing the use-cases of their paper-processes, to then be responsible for building them web-forms to fit their needs. In this position, it is imperative to be skilled at collaborating with people, interpreting their custom use-cases/needs, while also being technically savvy and capable of delivering solutions to fulfill those needs. Clients could have any amount of paper processes they would like transitioned into web-forms; building these web solutions involves:

* Utilizing HTML, CSS, Bootstrap JavaScript, jQuery, jQuery-UI and Knockout.js
* Writing SQL to a client’s ERP database, to integrate data into the form(s), enhancing the form’s end-use and data-validation
* Building and deploying reusable solutions to a CDN (Knockout.js custom-bindings) to continuously improve the library of bindings available to be built into the web-forms

*BAE SYSTEMS* *– California, MD*  **July 2017 - April 2019**

**Web Application Developer II**

Designs, enhances, and troubleshoots the main ERP system utilized for tracking and reporting

the data of parts that are shipped in, shipped out and moved about the facilities. Other

smaller-scale applications may be required for development, based on the use-cases of

different departments. The technologies and skill sets utilized in this position include:

* Utilizing web-technologies such as ASP.Net, HTML, CSS, JavaScript, jQuery, Node.js, Express JS, Bootstrap and C#
* Designing the SQL Server data tables used for the back end, while utilizing stored procedures, server-side logic, and client-side logic to manipulate that data
* Keeping applications compliant with current regulations, and developing new applications to fulfill new needs

**EDUCATION**

**Bachelor of Science in Information Systems and Decision Sciences**

Salisbury University– Salisbury, MD – May 2016

**GPA**: 3.2

**TECHNICAL SKILLS**

* 3 years Web Development Technologies, such as, HTML, CSS, JavaScript, jQuery, jQuery-UI Bootstrap, Knockout.JS, JSON
* 2 years VB.Net and C# server-side programming
* 3 years database experience; primarily in Microsoft SQL Server, with some experience in Oracle environments
* 3 years developing in Visual Studio and Visual Studio Code
* Experience with Node.js, React JS and MongoDB
* Building responsive, data-driven web-applications, web-forms and reporting dashboards
* Gathering and interpreting business requirements
* Communicating technical requirements in a simple manner

**NOTABLE ACHIEVEMENTS/PROJECTS**

* **BAE SYSTEMS**
  + Revamping the main inventory ERP application allowing for more user-friendly experiences; utilizing the data to its full-capacity allowed for new reporting options and full information transparency among several departments *(VB.Net, C#, SQL Server, SSRS, ASP.Net, HTML, CSS, jQuery, jQuery-UI, AJAX)*
  + Efficiently reporting over 10,000 lines of data from obsolete web applications that are in the process of being terminated, while the data will be archived *(Crystal Reports, SQL Server)*
  + Developing a financial application, that parses uploaded spreadsheets, to accumulate key financial data, and stores it in a SQL Server database. Reports are returned to the end-user that organize that key data for the Finance department in an efficient manner *(Node.js, Electron JS, HTML, CSS, JavaScript, jQuery, Bootstrap, SQL Server)*
* **SOFTDOCS, INC**
  + Contributing towards the development of a CDN library of reusable JavaScript solutions. These solutions simplify the development of the web-forms and processes being built for clients. By building these Knockout.js custom-bindings, the amount of JavaScript necessary to build high-level solutions into forms substantially decreases, while the time spent developing a form also decreases. Simple HTML data-binds can be called to create advanced behaviors in a web-form. *(Knockout.js, JavaScript, jQuery, jQuery-UI, Bootstrap, Azure DevOps)*
  + Developing an advanced custom web-form solution for a Georgia K12 school district’s hiring process. The process involves applicants filling out the ‘Application of Employment’ web-form, then data would then be reported back to Principals of these schools, allowing them to search and review the data of all applicants. Principals can then complete a ‘New Hire Recommendation’ form, which also integrates with the real data from the applications. This action then initiates the new-hire/on-boarding process, notifying the new employee of the other on-boarding web-forms that need to be completed. This application’s back-end is on SQL Server, where a relational data-structure is thoughtfully designed to maintain the data being gathered. Stored procedures are utilized to handle the manipulation of data on the server, and client-side logic is utilized to integrate data into the web-forms and reports involved in this process. *(HTML, CSS, JavaScript, jQuery, jQuery-UI, Bootstrap, Knockout.js, SQL Server)*