Karl J. Plunkert

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Skills

Power BI	SSRS	Azure DevOps
MS SQL	TSQL	Azure Synapse
Talend	JasperReports	Azure Databricks
My SQL	Access	MS Report Builder

Independent Contractor

Business Intelligence and System Architecture

August, 2017 – Present

I partnered with a large nationwide staffing company to provide a BI solution that better represented their business. I utilized Python, the Bullhorn API, and SSIS to establish a highly automated data warehouse. Using Power BI and Report Builder I created a robust BI system, including KPIs, Dashboards, and reports.

While working as a Solution Architect for a geolocation startup, I led successful projects for a major Las Vegas hotel chain, a large assisted care facility, and a car manufacturer. I exceed expectations on each project finding new and innovative ways to apply the technology. Some examples include

- Created a security solution that identified suspicious activity in the housekeeping staff using SSIS, MS SQL, Power BI, and SSRS
- Worked with an assisted care facility to resolve service issues, and data integration problems.
- While at the assisted care facility, I advocated for and led a project to geo-locate portable medical equipment
- Assisted a large hospital system with improving the RFID system for equipment and staff tracking

I was contracted to a Fortune 500 manufacturing company. There I executed a highly detailed data migration of two Salesforce instances to a single instance using Talend. It required the use of an intermediate database to accomplish the data transformation. I advocated for and implemented a modular approach to the ETL process that cut the time needed by 15%.

At another Fortune 500 manufacturing company, I performed data transformation from SQL Server to Azure Databricks and Azure Synapse in SSIS. Once the data transformation was completed, I used Power BI and SSRS to migrate and improve existing reports to use Databricks for their data source as well as standardize calculations.

InnoSource

Business Intelligence and Statistical Analysis

Mar 2004 - Jul 2017

- Received multiple Performance Excellence Awards
- Developed a reputation for finding solutions to unique problems and challenges

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When I started at InnoSource, they had no reporting or performance monitoring system. I created the initial system out of Excel and text files. This gave InnoSource new insights into their work centers and allowed them to staff more economically while maintaining their KPI's. Due to this effort, I was promoted from a contractor to an internal position created for me.

While in this position, I gained valuable experience and managing Azure servers. I completed the creation of a modular reporting system that allowed the authoring of reports while maintaining of look and feel, calculations, and data utilizing MYSQL and Jasper Reports. In addition to fulfilling my reporting responsibility, I found new and amazing ways to leverage data, while ensuring published reports for 9 sites exceeded client expectations.

- Created then overhauled survey system for staff and clients; standardized survey questions, and reporting system. Data was moved from Access to MYSQL. The front end was moved from Access to PHP and JavaScript
- Authored a structured system to quickly perform detailed statistical analysis of workloads, staffing, and call center traffic in Python and R.
- Authored staffing system that created highly efficient staff schedules while meeting KPI requirements and minimizing staff disruptions. This system used R for data analysis and MySQL.
- Developed and launched InnoTrax workload and process monitoring software. Used extensively to gauge workload and process time for front-line associates using MySQL, R, and Power BI. The results were highly accurate staffing and workload forecasting models.
- Authored Electronic Work Record to compensate for ADP PTO calculations and tracking limitations. The system used MYSQL, PHP, and JavaScript. The reporting was accomplished using embedded Jasper Reports

I was used as a consultant to select clients that included major Fortune 500 clients to leverage their current technology in innovative ways to integrate their data and get the best Business Intelligence possible.

- Utilized customer service data to identify a manufacturing issue before the problem became widespread.
- Created process monitoring software to analyze user administration processes. Successfully cut the user administration time by 50%
- Managed concept-to-launch of a custom Wiki platform for a Fortune 500 client. The Wiki was adopted corporate-wide and is still in use today. It has significantly reduced support costs for clients and customers. (Unix cluster, Apache, MySQL, PHP, JavaScript, HTML

Other

Virginia Polytechnic and State University (3 years)

United States Navy (4 years)