443-621-4298
estonh@gmail.com

Eston Harden

Data Engineering and Management

Relentless problem solver applying analytical, design and technical skills. Data expert with ability to communicate through storytelling and visualizations. Influences decision making through scientific means and findings. Developer of utilitarian use cases and scenarios. Manages others as investments for the organization.

EXPERIENCE:

Johns Hopkins Sibley Memorial Hospital   **January 2014 – Present**
Washington, DC
Software Application Project Manager
- Design processes to collect data from multiple disparate sources to satisfy analytical needs of the organization.
- Collaborated with leadership to define key performance indicators that drive the organization.
- Development of a data visualization tool for the organization - centered on key performance indicators.
- Create database solutions defining data structure, appropriate audience and security.
- Train staff to leverage data cubes through pivot tables to create customized reporting needs.
- Train staff to design efficient data structures to house data their business unit collects.
- Development of data mining tools used for machine learning algorithms to perform data analysis.
- Acting technical and analytical lead for the organization.

Johns Hopkins Center for Innovation   **December 2010 – May 2013**
Baltimore, MD
Software Engineer
- Formalizing internal business processes on software development lifecycle.
- Engineering web development projects, all layers, from database to services to user interfaces (SQL Server 2008 R2, ASP.NET 4.0 C#).
- Implementing the use of centralized source control, requirement collection and project tracking through software (Microsoft Team Foundation Server 2010).
- Designing business intelligence structures for data collection and analysis for various health care related projects (Microsoft Business Intelligence Development Studio).
- Determines operational feasibility by evaluating analysis, problem definition, requirements, solution development, and proposed solutions.
- Documents and demonstrates solutions by developing documentation, flowcharts, layouts, diagrams, charts, code comments and clear code.
- Improves operations by conducting systems analysis; recommending changes in policies and procedures.
- Provides information by collecting, analyzing, and summarizing development and service issues.
- Develops software solutions by studying information needs; conferring with users; studying systems flow, data usage, and work processes; investigating problem areas; following the software development

443-621-4298
estonh@gmail.com

Eston Harden

Johns Hopkins Center for Innovation   **December 2007 – December 2010**
Baltimore, MD
Programmer Analyst

- Manage internal database and application servers (MSSQL Server 2008 R2 on Windows Server 2008 R2).
- Creation of programming standards for cross-departmental communications.
- Development of departmental branding campaign to raise awareness of services and products created.
- Analyze existing patient health records to construct exploratory research projects in an effort to improve quality and efficiency (SAS, T-SQL).
- Optimize the acquisition, storage, retrieval, and use of information as it relates to electronic patient records at Johns Hopkins (Data Collection Forms in C# with SQL Server backend).
- Design, develop, test and evaluate software and systems that satisfy the Center's operational requirements (Languages include PHP, Coldfusion, C#, etc).
- Apply analysis techniques and procedures to gather and then translate business requirements into functional/technical designs.
- Create functional/technical designs and producing all or part of the deliverables included in those designs.
- Internal Research and Development to determine optimal solutions for the Center's business processes.
- Provide development, design, and analysis of web sites, web-based applications, and web-based services in support of the work to facilitate the Center's quality and safety improvement efforts (Languages include PHP, Coldfusion, C#, etc).
- Act as Center Webmaster to ensure timely and effective communication of activities and resources (Coldfusion 8).
- Requirements gathering for Maryland Statewide collaborative measures (Tasks, bugs, Requirements are put into Team Foundation Server 2010).
- Development of Maryland Blood Wastage collection and reporting tool (Coldfusion 8, SQL Server 2008).
- Development of Johns Hopkins system to track N1H1/Influenza outbreak at hospital among patients and employees (Coldfusion 8, SQL Server 2008).
- Development for a physician procedure review tracking system to satisfy Joint Commission requirements (ASP.NET 4.0 C# and SQL Server 2008).
- Creation of Hand Hygiene Compliance software that monitors and reports institution wide metrics (Coldfusion 8 and SQL Server 2008).
- Management of Project Requirements, Dashboards and reports completed and distributed to the institution by the Center for Innovation (Integration and Reporting Services off of SQL Server 2008).

EDUCATION:

University of Maryland   May 2005
College Park, MD
B.S. Electrical Engineering

University of Maryland   May 2010
College Park, MD
M.S. Business Management - Marketing

Johns Hopkins University   August 2013
Baltimore, MD
M.S. Computer Science – Software Engineering