**Gregory G Holliday**

305 Watson Rd | Easley, SC 29642| 864-380-5258

gregholliday@charter.net

## Summary

Computer professional accomplished in delivering exceptional results through a strong work ethic, ability to multi-task, and strong problem-solving skills. Over 19 years of experience in development of Client/Server, database, and web-based applications.

## Skills & Abilities

|  |  |  |
| --- | --- | --- |
| * HTML/HTML5 * JavaScript * AngularJS * Perl * JQuery | * Java * C# * SQL * C/C++ * Python | * Embedded systems development |

## EXPERIENCE

### Senior Software Engineer| June 2016 - Present | General Electric

* Work with business users and engineers to gather requirements and design web-based applications for tracking and predicting usable life for gas turbines and other power producing equipment
* Facilitate sprint planning, scrums, and software demonstrations
* Direct and lead development team from project initiation through delivery of final product
* Create AngularJS single-page-applications, utilizing ES6 standards, 3rd party libraries, and custom reusable components
* Implement Google’s Material Design specification using Angular Material Design components.
* Served on team tasked with establishing development and design standards for the GE Power Digital division
* Implemented a CI/CD process, using Jenkins Pipeline, for automated testing and deployment to cloud based and internal servers
* Designed and implemented RESTful APIs in Java with Spring Boot
* Mentor and train new team members

### Systems Analyst | Aug 2010 – May 2016 | AssetPoint, LLC

* Work with project managers and other developers to target areas of the legacy PowerBuilder application and rewrite the functionality with C# .Net, HTML, JavaScript, JQuery, Bootstap, and AngularJS
* Responsible for layout and design of all HTML pages in the new web-based application. Developed mock ups, wireframes and prototypes using Adobe Photoshop, MoqUps, and HTML
* Meet with project managers and customer representatives to gather requirements, prepare functional and technical design documents
* Help Business Analyst maintain all documentation for application releases, including functional design, release notes, user guides, and project schedules
* Maintain C# .Net applications used for transferring data between third party inventory and accounting applications, such as SAP, and the TabWare Oracle and MS SQL databases
* Responsible for identifying and implementing customer specific enhancements to the TabWare application. TabWare is an Enterprise Asset Management software package developed in PowerBuilder and C# .Net
* Work with the Customer Support team to provide second level Help Desk support to customers as needed
* Developed several data conversion routines, using Perl, to help stream line the implementation process for new customers

### Technical Leader | July 2000 – Aug 2010 | MetLife

* Promoted from Developer to Technical Leader in February 2004
* Responsible for the day to day activities of an in-house software development team consisting of two full time developers and three off-shore contractors. This team was responsible for providing development and production support for three applications used for maintaining group life insurance data for customers with 500+ employees
* Worked with key business partners to identify application enhancements, gather requirements, prepare functional and technical design documents
* Kept upper management apprised as to the status of projects through written weekly status reports, as well as weekly team status meetings
* Maintained all documentation for application releases, including requirements documents, release notes and user guides, and project schedules
* Participated in quarterly software quality reviews as outlined by the company
* Completed all quarterly, annual and semi-annual SOX/SAS70 audit control tests
* Supported the business decision making process by supplying business partners with ad-hoc reports and database queries
* Served as a member of the corporate software design review team. This team's responsibility was to review all new development projects and insure that all company design and coding standards are being followed
* In 2009 – 2010, served as the technical lead and senior developer on the e-Life project. This project was the first phase of a multi-year, multi-million-dollar initiative to replace the aging PowerBuilder application. The new application was a Rich Internet Application developed using Adobe Flex/Actionscript 3, Java, and JBoss rules engine. The use interface ran inside Internet Explorer/Firefox using the Adobe Flash player plug-in, while the backend code ran on IBM Websphere server. Responsibilities for this project included:
  + Leading numerous JAD sessions with end users and development team members to layout and design the user interface
  + Working with members of the corporate architecture team to evaluate and determine the best technology to be used on the e-Life project
  + Working with the architecture team and members of the development team to create a set of best practices for MXML and Actionscript development, including coding standards and naming conventions
  + Developing the base framework to be used for in the user interface. This included creating base windows, data validators, and custom components (buttons, drop downs, etc.) using both Actionscript and MXML
  + Creating business class objects for both Java and Actionscript
  + Interfacing the application with the corporate security database for session sign-on
  + Working with the other MetLife teams to determine which web services should be consumed by the application, as well as which areas of the new application should be exposed for consumption
  + Working with team members to write the business rules implemented in JBoss
  + Developing a set of Ant scripts for building the Flex and Java pieces of the application
  + Providing support, guidance, and ad-hoc training to both on-shore and off-shore developers in Adobe Flex/Actionscript
* Served as a senior developer for an in-house client/server-based application, developed using PowerBuilder and Sybase, used for maintaining group life insurance data for customers with 500+ employees
* Responsible for making application enhancements based on user requirements
* Worked with end users to clarify the business requirements for requested changes
* Provided production support as a member of the on-call team
* Developed numerous batch process and ad-hoc reports using Perl
* Worked as lead developer on the Maintenance of Life Insurance redesign project. This project was a major enhancement to several applications used for life insurance enrollment and claims payment. These enhancements insured that the company was providing customers with up to date insurance provisions and also insured that claims were paid accurately and in a timely manner
* Worked as lead developer on the Business Travel Accident project. This project added a new type of life insurance to the company’s offerings. This was a multi-year project which including enhancements to numerous applications within the company
* Provided mentoring and technical guidance to junior developers

### Positions Prior to July 2000

* Reliance Electric/Rockwell Automation, Greenville, SC - Software Developer, 1997 - 2000
* Carolina Multi-Specialties Associates, Greenville, SC - Contract Developer, 1996 – 1997
* Unichem, Inc., Greenville, SC - Contract Developer, 1995 – 1996
* Collins Entertainment, Inc., Greenville, SC - Network Administrator, 1993 – 1995
* Spartanburg Technical College, Spartanburg, SC - Network Administrator, 1991 – 1993

## EDUCATION

### M.A. Computer Resource and Information Mgmt. | May 1999

Webster University

Greenville, SC

### B.S. Computer Engineering | Dec 1990

Clemson University

Clemson, SC

## Other Experience

### Board of Directors/Instructor| June 2012 - Present | iT2Pi

* Member of the Board of Directors
* Youth Mentor
* Electronics and Programming Instructor for children and teens.
  + Conduct hands on workshops teaching students basic circuit design and microcomputer/microcontroller programming
  + Taught an eight-week, web-based introduction to Python programming class
  + Aided students in building and use of 3D printers
* Designed and built an Arduino based tracking controller for Celstron telescope
  + Arduino Uno
  + 3D printed gears
  + H bridge motor controller
  + Nema 17 stepper motor
* Designed and built a Raspberry Pi 2 based robot
  + Raspian OS
  + PiBorg motor controller
  + WiFi enabled
  + Python web page for control via the Internet
* Designed and built an Arduino based tank robot
  + Aruduino Uno
  + Playstation wireless controller
  + Tamiya track and wheel set
  + Tamiya gearbox
* Designed and built a Raspberry Pi based weather station
  + Raspian OS
  + Python based application for reading temperature, humidity, barometric pressure, and rainfall
    - DHT22 temperature and humidity sensor
    - BMP085 pressure sensor
    - Rainfall was detecting by creating a tipping bucket type gauge using hall effect sensors and magnets
  + Readings were uploaded from the Raspeberry Pi to a MySQL database on an hourly basis
* Designed and development of a proof of concept trail camera using a Raspberry Pi 3 for Greenville Water System.
  + Based on Windows 10 Core IoT
  + .Net application to interface with USB camera and PIR sensor to detect motion, take a picture and upload to Microsoft Azure blob storage
  + Powered with 6V rechargeable battery, with solar recharging
  + This project resulted in receiving a grant from Greenville Water System to purchase equipment for the iT2Pi

### Advisory Board Member| Jan 2016 - Present | Beer and Napkins

* Helped determine the direction of the Beer and Napkins organization
* Facilitate Beer and Napkins events
* Guest speaker for 2015 iMAGINE Upstate kick-off event

### Developer| March 2016 | Beer and Napkins

* Mobile application development using Ionic Framework, AngularJS, HTML, JavaScript, and Apache Cordova