KIMBERLY K. BROUGHTON

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I am a well-rounded developer with experience in a variety of languages, environments, and business functions who works directly and efficiently with internal and external end users to ensure all needs are met and expectations are exceeded.

TECHNICAL SKILLS

Applications: Git, Oracle Forms & Reports, Jasper Reports, Crystal Reports, Star Team, FACS, System7, Visual Studio
Content Management Systems: Drupal, Joomla, WordPress
Databases: c-tree, Informix, Oracle, MSSQL, MySQL, MS Access, Cache
DevOps: CI/CD yml files for gitlab Kubernetes, general scripting
Documentation Generators: Sphinx
Frameworks / Templating Engines: Mustache, Jina2, Webapp2, Flask
Languages: JavaScript, Python, Perl, VB.NET, HTML, Shell, DOS, AWK, XML, CSS, SQL, Visual Basic, AutoHotKey, PHP, Java, C#, C++
Operating Systems: Windows 95 – 10, Linux

SIGNIFICANT ACHIEVEMENTS

Designed and implemented administrative software system to replace data processing department　　　**02/18**

C# CERTIFICATION – Knoxville, TN　　　**12/17**

Achieved ONC HIT Certification (Stage 2): Electronic Health Record Software Certification - 1 of 3 developers assigned
Achieved ONC HIT Certification (Stage 1): Electronic Health Record Software Certification - 1 of 3 developers assigned

EXPERIENCE

ORNL DAAC – Oak Ridge, TN　　　**04/18 – Present**
Web Developer / Application Developer
Developing in: Python, JavaScript, Perl, Flask, Jinja2, HTML, CSS, SQL, Drupal

- Implement a new modularized web application data order system to improve users download options.
- Implement scripts to improve data ingest.
- Refractor sites from perl to python, using an efficient templating system.
- Implement unit testing to validate software and to prepare for the cloud.
- Importing and Exporting of metadata in multiple formats.
- Improve and maintain DAAC website.
- Improve and maintain DAAC content management systems.
- Streamlining, reducing and automating of processes reducing technical debt.

COSBY HARRISON COMPANY (Formerly TAP Publishing Company) – Crossville, TN　　　**10/16 – 04/18**
System Architect / Web Application Developer / Web Developer
Developed in: Python, JavaScript, Perl, DOS, Autohotkey, HTML, CSS, SQL, Oracle, Informix, Shell, Crystal Reports, C++

- Designed and implemented administrative software system to replace data processing department
- Streamlining, reducing and automating of processes reducing hours of manual work to a single button click while virtually eliminating all errors improving company costs
- Designed, created and implemented videos and instructional training material to assist users
- Importing and Exporting of data in multiple formats for data standardization
- Automating of tasks via scripts in multiple environments in multiple languages
- Created one-off web page tools to scrub data, increase data integrity and improve company costs
- Performing maintenance, feature and framework improvements of custom web sites, publication web sites and company sites, http://www.cosbyharrison.com/#portfolio

LIBERA, INC. – Knoxville, TN   **10/15 – 07/16**
Web Application Programmer
Developed in: VB.NET/ASP.NET, XML, C#, TSQL, System7, SQL, Visual Studio 2015
- Performed Vocational Rehabilitation program updates affecting all agencies statewide
- Created custom queries and scripts for agency end users
- Unit testing Vocational Rehabilitation program updates for developers statewide
- Prepared reference documentation for users by writing operating instructions
- Performed additional duties and assignments as directed

RMB, INC. – Knoxville, TN   **03/15 – 07/15**
FACS Application Programmer
Developed in: FACS, VBScript, AutoHotKey, Jasper Reports, Crystal Reports
- Assisted in maintaining database operations at peak performance, protect secured information, and maintain integrity of data
- Created daily jobs and import / export routines to route in and out a large amount of data
- Created custom queries and reports for the purpose of providing timely and accurate information to end users
- Encoded project requirements by converting work flow information into computer language
- Confirmed program operation by conducting tests, modifying program sequence and/or codes
- Prepared reference for users by writing operating instructions.

QRS, INC. – Knoxville, TN   **2011 – 02/15**
EHR Developer / Software Developer
Developed in: Javascript, HTML, CSS, Java, PHP, Python, Perl, Linux, MySQL, MSSQL, c-tree
- Designed Standard Form Sets / Notes according to doctor specialty
- Worked with doctors directly to determine practice needs
- Managed and improved company-wide javascript libraries
- Indirectly managed other EHR programmers
- 2nd Tier Product Support
- Documented and created instructional videos to train clients on Meaningful Use
- Created and maintained interfaces and data conversions based on client needs

QRS, INC. – Knoxville, TN
Software Developer   **05/09 – 2011**
Developed in: Javascript, HTML, CSS, Perl, Linux, c-tree
- Performed HL7 Interface design and implementation
- Designed interfaces and custom programs based on client needs
- Created and maintained file transfer programs (FTP, TCP, SFTP, SMB)
- Supported and maintained live interfaces
- Worked directly with clients to exceed expectations
- Created and maintained documentation both internally and for users
- Worked with client and third party vendors to migrate data to and from existing systems
- Review data requirements, both internally and with clients to ensure data integrity

EDUCATION

C# CERTIFICATION – Knoxville, TN   **12/17**

PELLISSIPPI TECHNICAL COMMUNITY COLLEGE – Knoxville, TN   **05/07 – 05/09**
A.A.S. Computer Programming
A.A.S. Database Design and Development
- GPA at 3.60
- Dean's List for Fall 2008, Spring 2007