

# RICKY L. TOLEFREE, JR.

5011 Galbraith Circle • Stone Mountain, GA 30088 • (678) 923-8116 • ricky\_tolefreejr@yahoo.com

## SUMMARY

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- Highly motivated computer scientist, information technology professional with a strong background in technical support, hardware and software, computer operations, analytics, implementations, programming, end-user support, math analysis and statistics. Display outstanding interpersonal skills to coordinate with clients and associates, securing the achievement of established objectives.

## EDUCATION

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DePaul University, Chicago, IL (Expected Completion 2026)	Winter 2026
<b>Masters Of Science, Computer Science</b>	
GEORIGIA STATE UNIVERSITY, Atlanta, Georgia	Summer 2013
<b>Bachelor of Science, Mathematics</b>	
VALDOSTA STATE UNIVERSITY, Valdosta, Georgia	Spring 2005
<b>Bachelor of Science, Computer Science, Minor: Mathematics</b>	

## CERTIFICATES

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Georgia Tech, Atlanta, Ga (Expected Completion July 2023)	Summer 2023
<b>Web Development Certificate</b>	
DePaul University	February 2023
<b>Advance SQL Database Certificate</b>	
DePaul University	December 2022
<b>Advance Python Programming</b>	
DePaul University	August 2022
<b>Introduction to SQL Database Certificate</b>	
Udemy	December 2022
<b>Kotlin for Beginners: Learn Programming with Kotlin</b>	
Udemy	February 2021
<b>Unit Testing and Test Driven Development in Python</b>	
(BigData Study Group Participate)	
Udemy	January 2021
<b>Spark and Python for Big Data with PySpark</b>	
(BigData Study Group Participate)	
Udemy	December 2020
<b>From Zero to Hero in Python</b>	
(BigData Study Group Participate)	
Udemy	June 2019
<b>Scala Certificate of Completion</b>	
(BigData Study Group Participate)	

ReadyTech Aptitude  
**Aptitude Certification**

April 2019

Metis Chicago Boot Camp -  
**Beginner Python Math and Data Science - Certificate of Completion**

July 2018

DUPAGE College, Dupage, IL  
**Java Language Proficiency**

Fall 2016

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## INDUSTRY TECHNICAL SKILLS

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**Languages:** SQL, JavaScript, HTML, CSS, APIs, NODEJS, Express, ORM(Object Relational Modeling)

**Operating Systems:** XP, UNIX (Solaris), SUSE Linux, Microsoft servers, AIX, IBM Personal Communications (MAINFRAME), Windows 7, Windows 10

**Databases:** SQL Server

**Applications:** MS Office Suite, Visio, MyEclipseBlue, Visual Studio Code, UltraCompare, Notepad++, Serena Dimensions, Snagit Editor, IpSwitch WS\_FTP12, SOAP UI PRO, UrbanCode Deploy, Nexus, Jenkins CloudBees(SAAS), Jenkins OpenSource(SAAS), DynatraceONE, Cisco Webex (SAAS), Aptitude

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## EDUCATIONAL TECHNICAL SKILLS

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**Languages:** SQL, PL/SQL, Java, JavaFX, Python, MatLAB, HTML, HTML5, JavaScript, CSS, PHP, C, Scala

**Operating Systems:** XP, UNIX (Solaris), SUSE Linux, Microsoft servers, AIX Windows 7, macOS High Sierra 10

**Databases:** SQL Server, MYSQL

**Applications:** MS Office Suite, Visio, Photoshop, MyEclipse Blue, Mars Eclipse IDE, NetBeans IDE, LaTeX, Visual Studio Code, Ultra Compare, Notepad, Docker, Kubernetes, IntelliJ IDE

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## INDUSTRY EXPERIENCE

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Blue Cross Blue Shield of Illinois, Chicago, IL

2022 – now

### Environment Analyst

Maintains multiple Financial Portfolio applications (Aptitude, EMPCO)

- application architecture knowledge; update diagrams
- application configuration
- application deployment to PROD/NONPROD environments
- database support
- application deployments

Use Jenkins tool to perform ORMB/ORMBA code deployments

- Deployment of code into NONPROD and PROD environments
- Analyze console output logs;

Use Aptitude Client to perform Aptitude code deployments

Middleware knowledge using WebSphere for ORMB/ORMBA application

Aptitude Accounting Hub (AAH) configuration/Upgrade

- Review of Technical Administration documentation
- Outline steps for DevOps/Environment team

ORMB/ORMBA Upgrade

Use GITHUB for code repository

Support Financial Portfolio

- Create change request for configurations updates
- Assist with application installations and Configuration changes to DEV, TEST and PROD

## Environments

Blue Cross Blue Shield of Illinois, Chicago, IL

2016 – 2021

### **Associate Environment Analyst**

Maintains multiple Financial Portfolio applications (Aptitude, EMPCO, ORMB/ORMBA)

- application architecture knowledge; update diagrams
- application configuration
- application deployment to PROD/NONPROD environments
- database support
- application deployments

Maintains multiple Provider Portfolio applications

- application architecture knowledge; update diagrams
- application configuration, upgrades for our application and batch servers
- Create configuration documents
- Update framework application files
- Analyze System and application log files
- Create change request for configuration updates and application code deployments
- agile environment

Maintains SOAP UI calls to application server

- web service test for service-oriented architectures for multiple Provider applications
- Perform calls for checkout to DEV, TEST and PROD environments

Use Jenkins tool to perform code deployments

- Deployment of code into DEV and TEST environments
- Analyze console output logs;

Use Urban Code Deploy to perform code deployments

- Deployment of code into NONPROD environments
- Analyze console output of logs
- Make

Created clean up scripts on our Linux server

Created Zena jobs and scripts to perform application restarts

Ability to execute task in timely manner

Middleware knowledge using websphere

Aptitude configuration

Use GITHUB for code repository

Support Financial Portfolio

- Create change request for configurations updates
- Assist with application installations and Configuration changes to DEV, TEST and PROD

## Environments

Blue Cross Blue Shield of Illinois, Chicago, IL

2014-2016

### **Configuration Analyst**

Support customer's software baseline control efforts.

Maintains the baseline using automated CM tools

- Serena Dimensions is our repository, and application to build our baselines

Responsible for maintaining project software and documentation inventory and configuration baselines

Configurations of Microsoft 2008r Servers, configuration management

- Creation of application pools and virtual directories
- Editing configuration files (INI files)

Establishes and maintains the CM processes and procedures.

- Creation of streams (Merging code to the Main stream)
- maintain change request for each baseline from development group

- modify code and create change request for the baseline

Define and implement procedures for releasing products throughout the whole product life cycle

Produces builds of products for use in testing and in production

- Deployments of code changes for development, test and production environments
- Deployments are executed in AIX operating system

Drives the development and maintenance of build automation tools

- Apache ANT is our software tool for the build processes
- Builds occur in Serena for all environments

Maintains the source code change control

Performs software deficiency and change request updates

Creation of Zena Jobs for DEV, TEST and PROD environments

Monitoring of Zena Jobs

U.S. COURTS OF APPEALS 11<sup>th</sup> Circuit, Atlanta, Ga

2013

**System Analyst/Programmer (Temporary Position 4 months)**

Reports to the Assistant Circuit Executive for Information Technology.

Modify/Adapt existing systems and designing and building new systems to meet the needs of the court unit.

Conducted research, analyze options, and communicate the results of the analysis.

Writing code and meeting with end users to analyze of application software.

Web Development using Drupal application which uses HTML, PHP, JavaScript, jQuery and MySQL.

Provide systems, web and software development services utilizing SUSE Linux and Microsoft servers.

Provide analysis and recommendations to court users in user needs and software requirements to determine feasibility of design within time constraints.

GEORGIA STATE UNIVERSITY, Atlanta, Georgia

2013-2013

**Mathematical Tutor - Student Assistant, Math & Statistics Department**

Communicate to students how to apply equations, definitions, theorems, and methods in order to get the needed output.

GEORGIA STATE UNIVERSITY, Atlanta, Georgia

2010-2012

**Researcher - Student Assistant, Math & Statistics Department**

Researched Cardiac Arrhythmia that occurs in the heart and what causes arrhythmia in the heart

Used Computational Sciences, reduction methods for neurosciences and bioinformatics, using IPython and Wing IDE

Developed algorithm to minimize time efficiency and produce more accurate approximations

Code in C and python, on a Linux and Windows platform

## AFFILIATIONS

BigData Study Group Participate	Participant 2018-2020
HCSC Hackathon Participate	Participant 2018
HCSC Hackathon Winner (Group: WebPower)	Participant 2017
Research Initiations In Mathematics, Mathematics Education and Statistics (RIMMES)	Member 2010 to 2013
Math Club	Member 2010 to 2013
Mathematics Association of America (MAA)	Member 2003 to 2005
Swim Club	Member 2011 to 2013