Diondra Tuck

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SOFTWARE MANAGER

Proficient in an assortment of technologies, including Hyperledger Composer, Hyperledger Fabric, Java, .NET, C++, C#, Xamarin, JavaScript, Perl, Visual Basic, Struts, Spring, Hibernate, UML, Parasoft JTest, Rational RoseRT, ClearCase, CVS, Git, Source Tree, Bit Bucket, Rational Requisite Pro, MySQL, PHP, XML, Rational Software Architect, JUnit, Crucible, JIRA, Confluence, Maven, Eclipse, Tomcat, JBoss Enterprise Application Platform, JAXB, Keycloak, ACORD XML Specification and Linux.

Skills:

Managing Enterprise Customer Expectations	Software Engineering Leadership
Waterfall & Agile Principles	Object Oriented Programming (OOP)
Software Implementation	Data Integration
Software Design	Continuous Integration

EXPERIENCE

NASBA, Nashville, TN   08/2017 – Present
Application Development Manager

Software Engineering Manager for Software Services Development Team, Single-Sign On SME, and Java Developer

Key projects:
- Managed the day-to-day activities of the Software Services Development Team.
- Participated in design reviews and code reviews for the Software Services Development Team.
- Established goals and performance measures for the Software Services Development Team.
- Provided coaching, feedback and developmental opportunities to Software Services Development Team.
- Identified areas of improvement in development workflow to enhance software testability and deployment.
- Partnered with NASBA Infrastructure Team to enhance Continuous Integration and Continuous Deployment (CI/CD) strategies.
- Identified architectural areas of improvement within current and proposed technology stack.
- Collaborated with third-party vendors to resolve product defects in the critical path of major software releases.
- Provided training to non-technical staff in order to deliver value to customers in timely manner.
- Trained junior developers on new development workflow and technology stack resulting in the successful resolution of critical production issues in a timely manner.
- Led initiative to create internal Confluence knowledgebase for all 28 applications in the NASBA software portfolio.
- Created a focus group to facilitate the migration of legacy bug tracking system to JIRA.
- Worked closely with Chief Information Security Officer to ensure that new applications and enhancements met and exceeded security requirements.
- Analyzed project workflow for new business initiatives to mitigate scope and budget increases.
- Developed a proof of concept (POC) using Amazon Simple Notification Services (SNS) and Amazon Web Service (AWS) Lambda to address potential security risks and high availability.
- Developed custom Single-Sign On (SSO) module using Java and Keycloak API.

The General, Nashville, TN   12/2013 – 08/2017
Software Engineer III

Lead Software Engineer on The General Partner (TGP) Integration Team & Software Automation Testing SME

Key projects:
- Architected and developed TGP POS (Point-Of-Sale) web application to improve usability and maintenance of the application using Java, Spring MVC Framework, JAXB and Hibernate.
- Worked closely with internal and external partners to quickly and efficiently resolve integration issues.
- Managed a team of junior developers by assigning tasks, approving software design and implementation efforts.
- Hosted daily scrum meetings and participated in sprint planning/review meetings with stakeholders.
- Responsible for performing code reviews using Git pull requests and Crucible, reducing defects and improving code quality.
- Led automated unit testing initiative to reduce technical debt, increasing code coverage from 2% to 93%.
- Coordinated QA and development efforts by assisting with testing methodologies and build deployment.

Responsible for providing weekly status updates to project management and business stakeholders.

Responsible for merging source code and approving GIT pull request using Bit Bucket and Source Tree.

Performed production releases for all 3 core POS systems (TheGeneral.com, The General Quoter, and The General Partner)

Alpha Beta Technologies, Huntsville, AL   05/2013 – 11/2013
Programmer Analyst II

Subcontractor on Multiple Launcher Rocket System (MLRS) / Fire Control System (FCS) Test Team

Key projects:

Developed .NET TCP and UDP Messaging Client/Server application to support automation testing.

Developed test procedures for Functional Verification Testing (FVT).

Held peer reviews for Fire Control System (FCS) development team.

nLogic / Northrop Grumman, Huntsville, AL   07/2012 – 05/2013
Software Engineer

Subcontractor on Integrated Missile Defense Battle Command System (IBCS) Team

Key projects:

Implemented Java code for Weapon and Sensor Services (WS) core software module.

Developed and executed Java unit test with JUnit to reduce software defects.

Hosted and participated in code reviews in Crucible to ensure Java source code adhered to company coding standards.

Designed and updated UML sequence diagrams to match software and system requirements.

Supported IBCS Integration Team during Software Integration for scheduled government Product Benchmarking (PBM).

Resolved software defects reported during formal testing and software integration.

Reviewed Use case diagrams presented by IBCS System Engineering team for accuracy.

Attended Requirement Walkthrough (RWT) sessions on behalf of entire Weapon and Sensor Services team.

Golden Bridge Design, LLC   12/2010 – Present
CIO/ Co-Founder

Software Consultant Firm

Key projects:

Researched and determined development frameworks and tools to support various project requirements.

Developed branching workflows and managed Git repositories for varies projects.

Recruited and managed varies contractors to assist with client projects.

Developed and maintained relational database schemas.

Configured Virtual Private Servers to host J2EE web applications.

Configured and managed web hosting and domain registration for clients.

Developed project specifications to ensure deliverables and requirements met client expectations.

Lockheed Martin, Huntsville, AL   6/2009 – 6/2011
Software Engineer

Software Engineer on MEADS BMC4I Test Set (BTS) Team

Key projects:

Designed Scenario Generation subsystem material for the BTS Critical Design Review (CDR) using UML and Rational RoseRT.

Scheduled and Conducted peer reviews for BTS detail design material.

Develop Java software used to create scenarios within the Scenario Generation core capability area.

Implemented Critical Design Review (CDR) approved detail design material in Java.

Developed Perl Scripts to perform file manipulation for Scenario Execution team.

Created Graphical User Interface (GUI) in Java used to report weekly status to management.

Generated test cases using JTest and Java to perform unit testing on source code.

IBM, Boca Raton, FL   6/2007 – 6/2008
Software Engineer

Software Engineer on IIS (IBM Information Server) Connectivity Team

> ***Key projects:***
>> Developed test cases for TVT (Translation Verification Testing).
>>
>> Created test plans for DataStage rich connectors (DB2, ODBC, MQ, Teradata).
>>
>> Documented required steps for executing PT (Pseudo Translation).
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>> Worked closely with global teams to help solve configuration problems with Software Globalization Testing.
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>> Installed and configured IBM Metadata Server, Metadata Work Bench, Business Glossary, and WebSphere Application Server on varies platforms.

EDUCATION & TRAINING

TUSKEGEE UNIVERSITY, Tuskegee, AL   5/2009
Bachelor of Science in Computer Science

DataStage Designer Training (2008), ClearCase Training (2009), Parasoft JTest Training (2010), HLA / VRLink Training (2010), Data Modeling Training (2015), Secure Coding (2016), IBM Blockchain Foundation for Developers (2018)